



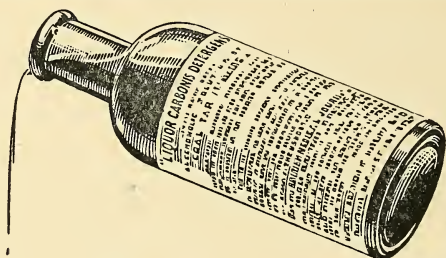
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*The antiseptic and
antipruritic principle in*
WRIGHT'S COAL TAR SOAP



The unique preparation, Liquor Carbonis Detergens, was first introduced by Wright's in 1862. It isolates, from the inert non-therapeutic substances, the valuable antiseptic and antipruritic agents known to be in Coal Tar. Since its introduction Liquor Carbonis Detergens has achieved a high place in dermatological practice, and is repeatedly chosen as the foremost medicament for skin diseases.



The continuous application of new methods in research and manufacture makes Wright's Liquor Carbonis Detergens today a product improved both in appearance and antiseptic value.

This preparation gives Wright's Coal Tar Soap its renowned health-giving qualities. Soothing to the tenderest skin, and thorough in its cleansing, Wright's is in every way the safest toilet and nursery soap for daily use.



Wright's

COAL TAR SOAP

IDEAL FOR TOILET AND NURSERY

CRESANTOL-15

*The Germicide
for Modern
Antiseptic Fluids*

AVAILABILITY

Ample Supplies for Chlorinated Xylenol Antiseptic Fluids.

ACTIVITY

Phenol Coefficient exceeds that of P.C.M.X. (Chloroxylenol B.P.)

ECONOMY

Cresantol-15 is substantially cheaper than P.C.M.X.

FORMULATION

Cresantol-15 is a liquid, and can readily be dissolved in soap solution, either alone or blended with an alcoholic solution of essential oils.

Monsanto

CHEMICALS LIMITED

VICTORIA STATION HOUSE, LONDON, S.W.1

M2603

** Now is the time to Order!*

TRADE **'BIOFEROL'** MARK
Brand of NUTRIENT TONIC

'Bioferol; a tonic with a hæmoglobin base, contains all the nutrient elements to be found in whole blood. It is particularly useful for growing boys and girls, and for anyone convalescing after an attack of 'flu or after a cold. Special show material and generous P.A.T.A. terms will enable you to make the most of this popular line.

Bottles of 8 oz. and 40 oz.



TRADE **'CRESIVAL'** MARK
Brand of EXPECTORANT

Coughing is always a troublesome symptom of colds and influenza. 'Cresival,' which has a creosote base, serves the double purpose of loosening tenacious secretion, thus facilitating expectoration, and of relieving inflammation. There is bound to be a strong demand for cough remedies this winter and, in 'Cresival,' you have one of the safest and most effective you could sell.

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'Cresival' is now subject to 33½% discount to Retail Che



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MEDICAL

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SUPPLIES

KALSOLAC

for the prevention of chilblains

In those susceptible to chilblains, an immunity can be built up by preventive treatment undertaken before winter's cold and frost occur. Evans Kalsolac gives an easily assimilated combination of the extra calcium, iron and magnesium especially required for this purpose. Kalsolac can be safely given to children, and is also extremely beneficial to expectant and nursing mothers and to all whose calcium intake needs increasing. Each capsule contains 500 units Vitamin D.

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Tins of 30	...	1/8d. each	1/- each
Tins of 68	...	3/4d. ..	2/- ..

Kalsolac is also supplied in bottles of 250,
500 and 1,000 capsules.

EVANS SONS LESCHER & WEBB LTD

FINE CHEMICALS • BIOLOGICALS • PHARMACEUTICALS

FOR ORAL MEDICATION

KERFOOTS Proflavine LOZENGES

enable the affected tissues
to be bathed in a naturally
buffered antiseptic solution.

Each contains
Proflavine Sulphate 3 mg.
In bottles of 36 and 500
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Usual Terms

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are of special value in
throat affections due to local
streptococcal infection.

Each contains
Sulphanilamide gr. 1 (S₄)
In bottles of 50 and 500
1/8 and 1 3/3
Usual Terms



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KG17a

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REFRESHING
SLEEP

Cadbury's
BOURN-VITA
NEEDS NO SUGAR

INDEX TO ADVERTISERS

es, I. & C., Ltd.	30	Clay & Abraham, Ltd.	28
ance Supply Co.	xvi	Coates & Cooper, Ltd.	vii
ro Fillers & Engineering Co., Ltd.	xii	Continental Laboratories, Ltd.	12
en, Stafford, & Sons, Ltd.	19	Cox, Arthur H., & Co., Ltd.	8
ied Laboratories, Ltd.	10	Croda, Ltd.	8
erson & Reeve, Ltd.	xx	Crompton Parkinson, Ltd.	xi
ne Laboratories, Ltd.	20	Cuxson, Gerrard & Co., Ltd.	viii
ley & Weeks, Ltd.	ii	Dae Health Laboratories, Ltd.	21
ro, Ltd.	xxii	Dangoor, N. S., Ltd.	iv
rett & Ward	vii	Daniel, Richard, & Son, Ltd.	13
ties, Ltd.	xvi	Distillers Co., Ltd.	Leader Page
er Products, Ltd.	2	Emsa Works & Herbert Foot Appliance, Ltd.	vi
ucaire Laboratories, Ltd.	xiv	Esslarom, Ltd.	Leader Page
ulah, J. & J., Ltd.	Leader Page	Eucryl, Ltd.	32
elfast Telegraph	xv	Evans Sons Lescher & Webb, Ltd.	3
, W. H.	xviii	Excel Proprietary Co.	30
cas, Ltd.	xvi	Fassett & Johnson (Nodan)	14
ish Dyewood Co., Ltd.	ii	Favell, T. J., & Co., Ltd.	xxv
ish Felsol Co., Ltd.	Cover iv	Faylene Manufacturing Co.	xxv
me & Schimmer	iv	Fennings, A.	xxiv
oks Appliance Co., Ltd.	vi	Franks, A., & Bartlett Co., Ltd.	32
oks, R., & Co.	xv	Freudentheil, Smith & Co.	Leader Page
wn & Forth, Ltd.	iv	Gale & Mount, Ltd.	iii
un, Don, Ltd.	xx	Gardner, Wm., & Sons (Glos.), Ltd.	x
key-Bowker Tablet Co., Ltd.	viii	Geigy Pharmaceutical Co., Ltd.	iii
rough, James, Ltd.	Leader Page	Gibson, Robert, & Sons, Ltd.	xv
roughs Wellcome & Co.	35	Gilbert, J. C., Ltd.	v
h, Beach & Gent, Ltd.	v	Gleim Shampoo Co.	32
bury Bros., Ltd.	4	Gould, N. & M., Ltd.	Leader Page
horpe, M., & Co., Ltd.	xxiv	Graesser, R., Ltd.	v
olon Press, Ltd.	xiv	Graesser Salicylates, Ltd.	ii
ol, Ann, Beauty Preparations	10	Granto Laboratories	16
wright, W. B., Ltd.	6	Griffiths Hughes, E., Ltd.	24
anons, Ltd.	30	Guest, Thos., & Co., Ltd.	10
nox, Ltd.	12	Haetam, Ltd.	Leader Page
ical & Natural Products, Ltd.	xxvi	Haller Laboratories, Ltd.	xvi
itone Co., Ltd.	26	Harvey & Co. (Dublin), Ltd.	xvi
		Harwoods Laboratories, Ltd.	5
		Hough, Hoseason & Co., Ltd.	xxi

(continued overleaf)



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FOR THE PREVENTION & TREATMENT OF COLDS

The demand for
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are still limited

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INDEX—(contd.)

Ilex Supply Co., Ltd.	28	Phillips, Chas. H., Products, Ltd.	
Imperial Patent Wadding Co., Ltd.	vi	Phnaud, Ltd.	X
Innox Laboratories	9	Polak & Schwarz (England), Ltd.	
International Chemical Co., Ltd.	31	Porosan Co., Ltd.	
International Laboratories, Ltd.	14, 24, xxi	Porteus, Geo., & Sons (Leeds), Ltd.	
Ionic Laboratories, Ltd.	30	Potter & Clarke, Ltd.	
Jackson, G., & Sons, Ltd.	34	Reckitt & Sons, Ltd.	
Jeffreys, Miller & Co., Ltd.	12	Rendell, W. J., Ltd.	
Kaladex, Ltd.	xxiv	Reuter, R. J., Co., Ltd.	
Kerfoot, T., & Co., Ltd.	4	Rodmill Chemical Co., Ltd.	
Khan, S.	Leader Page	Rona Laboratories, Ltd.	
Knox, John, Ltd.	34	Roura & Forgas, Ltd.	
Kolynos (Sales), Ltd.	xxiii	Salter, George, Ltd.	
Laporte, B., Ltd.	v	Savory & Moore, Ltd.	
Leda Chemicals, Ltd.	iv	Scholl Manufacturing Co., Ltd.	
Lemke, B. L. Inc.	xx	Scott, A. & R., Ltd.	X
Lilly, Eli, & Co., Ltd.	Front Cover	Sessions, W., Ltd.	
Liverpool School of Pharmacy	30	Shadforth Prescription Service	
Lofthouse & Saltner, Ltd.	xx	Sharp & Dohme, Ltd.	
Marshall's Proprietaries, Ltd.	34	Simpson, J. W. (Chemist), Ltd.	
Matthews, S., & Co., Ltd.	xxii	Smith, J. H., & Co., Ltd.	
Maw, S., Son & Sons, Ltd.	11, xx	Southon Laboratories, Ltd.	
Midgley & Parkinson, Ltd.	12	Splendor, Ltd.	
Mitchell, L. A., Ltd.	x	Stannard Distributing Agencies, Ltd.	X
Monsanto Chemicals, Ltd.	1	Stemco, Ltd.	
Moore Medicinal Products, Ltd.	22	Tampax, Ltd.	
Napp, H. R., Ltd.	i	Tanlo Industrial Exporters, Ltd.	Leader P
National Glass Works (York), Ltd.	ix	Teasdale & Co., Ltd.	X
Niblett, C. P.	Leader Page	Tintex Dyes	
Nutlis Products	iv	Trent Guns & Cartridges	
Olley, C., & Sons, Ltd.	xii	Velvet Crepe Paper Co., Ltd.	
Optabs, Ltd.	xix	Waide, Thos., & Sons, Ltd.	
Owbridge, W. T., Ltd.	14	Wander, A., Ltd.	
Oxo, Ltd.	36	Ward, Blenkinsop & Co., Ltd.	
Pantha & Decca	Leader Page	White, J. F., & Co., Ltd.	
P.A.C. Chemicals, Ltd.	xviii	Wilson & Mansfield, Ltd.	
Pascall Engineering Co.	x	Wilson Meats, Ltd.	
Pharmaceutical Specialities (May & Baker), Ltd.	Cover iii	Wright, Layman & Umney, Ltd.	Cove
		Zeal, G. H., Ltd.	
		Zems, Ltd.	X

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Labour shortage with a consequent shortage of materials will tax the ingenuity of all. We shall endeavour to supply promptly rationed quantities of Urillac tablets, Gee's Lobelline, Penetrol, Moorlands, etc., etc., but in fairness, orders must be executed in strict rotation. Wants therefore should be anticipated and orders placed in good time, as delays in delivery are inevitable.

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Manufacturing Chemists of unusual
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(Dermatological Section)

Announce

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a new agent in the treatment of
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NOW SUPPLIED TO THE CHEMIST TRADE

— THROUGH WHOLESALERS —

After many years of research in the Laboratories of Dr. Debat, Paris (manufacturers of scientific medical preparations), and following extensive clinical trials and successful wartime treatment of dermatitis in industry, KERODERM now offers the chemist, in a *new product*, valuable bio-chemical elements proved highly effective in the treatment of skin affections.

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PRICES

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20/- per doz. tubes
(plus P.T. 16 $\frac{2}{3}$ %).

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2/9d. per tube (including P.T.).

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MADE IN ENGLAND

'SURE SHIELD'



Products

Due to shortage of supplies, combined with the curtailment of our staff, we wish to assure our many trade friends that we are using every effort to maintain an equitable distribution of our Products.

Please Note

- 1st. All Orders are forwarded in strict rotation, and we are now 15 weeks behindhand in delivery.
- 2nd. Due to the position, all additions can only be treated as separate orders.
- 3rd. When writing with reference to an order on hand, please give **exact date** when sent on.

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Registered Trade Mark

IODISED THROAT TABLETS
FRUIT LAXATIVES
GLYCERINE OF THYMOL
PASTILLES

PASTILLES LOZENGES
TABLETS

Thos. Guest & Co. Ltd. *Manufacturing Chemists*
Carruthers Street, Manchester, 4



This distinctive range of Ann Carol Preparations, it is hoped, will soon be available in pre-war quantities again for the most discriminating buyers. Enquiries invited from retailers for sole agencies. Export orders receive special attention.

Ann Carol

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... and also it's a TONIC FOR SALES

To-day a really first-class tonic commands ready sales. MELODEN has already justified the highest confidence placed in it, and forthcoming national advertising will ensure nation-wide demand. Adequate supplies available, but early orders advisable to avoid delays.

36/- & 69/- doz.
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Retails at 4/9 & 9/6
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CODOFORME BOTOL

TABLETS

(Indicated in all types of dry cough)

Owing to circumstances beyond our control, we regret that CODOFORME BOTOL has been in short supply, but we are now pleased to advise you that this preparation

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IN PACKINGS OF 20 AND 250 TABLETS**

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Mothers are always grateful if you recommend

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Enquiries are invited*

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WHOLESALE MANUFACTURING CHEMISTS
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INFANTS' PRESERVATIVE

*The safest and most reliable remedy for Crippling Pains
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The Original Celery Treatment for

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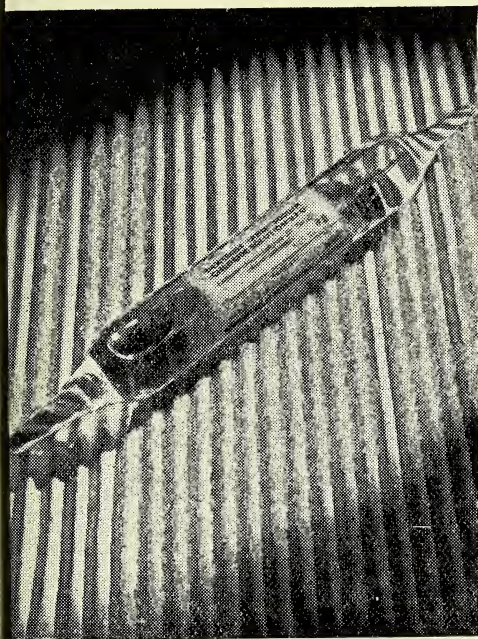
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(Protected by P.A.T.A.)

Now that Peace has at last returned to the World we wish to extend our grateful thanks and appreciation to all our friends for their kind co-operation in the past six years of difficulty.

We shall continue to give the best service we can during the period of reconstruction and feel sure that we shall have their confidence and sympathy until such time as trade conditions become more normal.

W. T. OWBRIDGE Ltd.
The Laboratory
HULL

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NODAN—Prepared from a new and highly scientific formula obtains results very rapidly. Eradicates scalp disorders, stops scurf irritation. Non-toxic, non-greasy, does not stain. Sells at 3/10½d. per bottle, including tax.

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The War effort made additional demands on the Nation's strength. Those prone to Rheumatism, Lumbago, etc., require a reliable liniment to relieve suffering and enable them to carry on their work.

Rheumagic makes no claim to cure Rheumatism. Its purpose is to relieve pain. It does so speedily and in this way makes a contribution to the National effort. Rheumagic is backed by a guarantee of money back if no relief.



Rheumagic

Brand
FORMULA OILS

P.A.T.

Retail Prices: 1/5 & 3/4 (including tax)
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"Thought," said Emerson, "is the seed of action." One might add that thought is also the essence of all successful business.

The present range of Simpson products, for example, is the outcome of an immense amount of thought. These products are more than pharmaceutical commodities. They represent the scientific application of marketing principles—products designed to appeal to the millions and which do their job.

Your customers would probably be astonished if they knew what infinite pains have gone into thinking them out. You, perhaps, are not surprised. Or you have seen the steady upward trend of Simpson sales. The advertising (as much as the rationing of space permits) has been conservative in claims but forceful in generating sales energy. If space had permitted that advertising to be ten times the scale (as it will be in post-war years) the full results of our efforts would have been manifest. We must wait for that happy day. But the right

foundation is there—thoughtfully planned products. And as soon as there is more advertising space available we expect, indeed, we know, tremendous sales will result, for we shall continue to buy every inch of space we can get.

You, too, have to think, and think hard, when doing your buying. Perhaps, in these days of staff shortage, you wish that buying could be delegated. But it can't. It is a vital, unavoidable job which absorbs much of your time. Only you *can* do it.

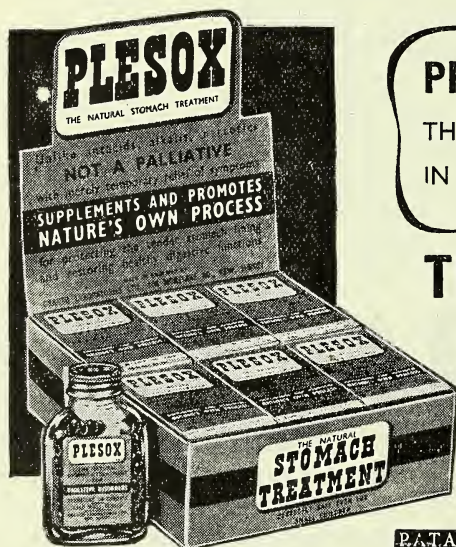
Yet how much easier buying becomes when the lines offered to you have as much thought behind them as Simpson products—when you know there have been marketing tests to prove their appeal and countless trials by representative groups of users. How much safer it becomes when you appreciate that one cardinal point in Simpson's policy is that if a retailer overbuys and finishes the season with any surplus, Simpsons will take it back on full credit, provided only that it is in saleable condition. And don't forget —if it's Simpson's, it's C.F.

*Announcement by J. W. Simpson (Chemists) Ltd.
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NEW ATTRACTIVE
BOTTLE PACKING

INCREASED NATION-
WIDE ADVERTISING TO
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PROFIT BY PROTECTING
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IN NATURE'S WAY!

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PASS YOUR ORDERS TO
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NEW DISTRIBUTORS—

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Manufacturers : **GRANTO LABORATORIES, 108 MORTLAKE ROAD, KEW, SURREY**

Why you should Sell
WANDER
— BRAND —
MALT & COD LIVER OIL



OF UNSURPASSED QUALITY

THE supreme pharmaceutical excellence of Wander Brand Malt Extract and Cod Liver Oil, the outstanding preparation of its kind, has for many years been widely recognised by physicians. †

The Cod Liver Oil used is the best obtainable and the malt extract is specially prepared by A. Wander Ltd., who are probably the world's largest producers of medicinal malt extract and are leading authorities upon its manufacture. These two ingredients are combined in the proportions most generally required by the medical profession.

Both in its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is readily acceptable to children and adults. In every respect it is a product which the pharmacist can recommend with the fullest confidence.

On the P.A.T.A.

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Exempt from Purchase Tax

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and other perfume bases**

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As these essences are obtained from our works in Holland their importation is subject to Board of Trade import licence.

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4-oz. 2/6 8-oz. 4/6 Inc. P.T.

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IODISED TABLETS
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Cartons 9½d. 69/- Plus P.T.

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you display the large size



You get this attractive counter card with every order for the LARGE size.

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Standard size 2/- a jar, including Tax. Trade price 15/- per dozen. Purchase Tax 2/6 per dozen. Large size 3/6 a jar, including Tax. Trade price 26/- per dozen. Purchase Tax 4/4 per dozen. Minimum order carriage paid 3 dozen.

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Why better ?

Because BROVON Asthma Inhalant is the most effective product yet devised for the relief of asthma.

Why bigger ?

Because 'asthmatics' talk, and the chemist recommending BROVON Asthma Inhalant quickly builds up a substantial and evergrowing 'repeat' business.

A free sample, with inhaler on approval, enables you to introduce BROVON Inhalant to your asthmatic customers without obligation.



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ABERDEEN SCOTLAND**

IN FAIRNESS TO YOU

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That it will not be continued a moment longer than is absolutely necessary, we can assure you.

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THE CHAS. H. PHILLIPS CHEMICAL CO. LTD.
179 ACTON VALE. LONDON. W.3

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BEAUTY CREAMS

PHILLIPS DENTAL MAGNESIA
DANDERINE

PHILLIPS
CALIFORNIA SYRUP OF FIGS



for troubles
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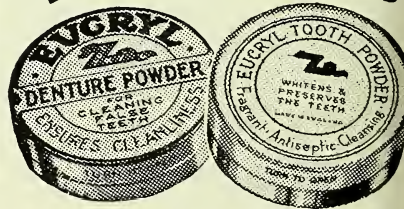
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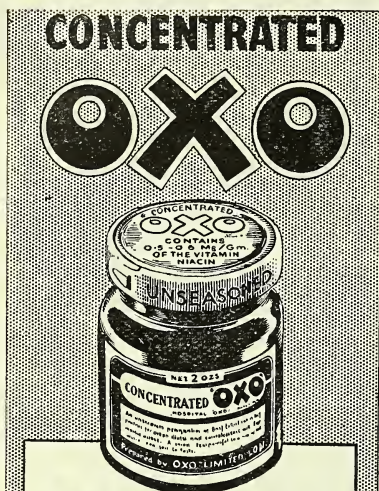
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CONTENTS

	Page		Page
Appreciations of Dr. Tocher ..	548	Marriages ..	549
B.E.T.R.O. Members Discuss Plans ..	557	Official Announcements ..	544
Business Changes ..	551	Overseas Trade News ..	566
Coming Events ..	565	Personalities ..	549
Company News ..	546	Pharmaceutical Society of Ireland:—	
Correspondence ..	565	Council Meeting ..	552
Deaths ..	549	Pharmaceutical Society of Northern	
Editorial Articles:—		Ireland:—Council Meeting ..	564
Plans to Meet an Epidemic ..	559	Regional Boards for Industry ..	557
More Paper for Trade ..	560	Technology Degrees? ..	556
Staffing the Hospitals ..	561	The Week in Parliament ..	545
Fifty Years of X-rays ..	554	Topical Reflections ..	547
Healing and Beliefs ..	561	Trade Marks ..	570
Information Wanted ..	558	Trade Notes ..	550
Legal Reports ..	543	Trade Report ..	567

NEWS OF THE WEEK

International Rubber Conference.—A conference of British, American and Dutch rubber exporters opened in London on November 20. The delegates represented growers, manufacturers, and the three Governments concerned, and the aim was an arrangement satisfactory to both consumers and producers of both natural and synthetic rubbers.

Ethical Pharmaceuticals Association.—At the tenth annual meeting of the Ethical Pharmaceuticals Association, held recently in London, the following officers were elected for the year: *Chairman*, Mr. C. W. S. Taylor (Ciba, Ltd.); *Vice-chairman*, Mr. R. F. Edkins (Organon Laboratories, Ltd.); *Secretary and Treasurer*, Mr. F. G. W. Paige; *Committee*, Messrs. C. M. Bell, H. R. Napp, E. J. Dowty, A. C. Henry, and G. L. Cooper (*ex-officio*).

Municipal Election Successes.—Mr. George Stephen Dickinson Aldrich, M.P.S., 59 High Street, Evesham, has been elected a member of the Evesham town council.

Mr. B. S. Langton, M.P.S., has been returned as a representative for the Collegiate ward of Manchester. Mr. Eirwyn Owen, M.P.S., High Street, Bangor, was successful in the recent municipal elections. Councillors G. H. Hughes, M.P.S., Conway, T. H. Williams, M.P.S., Bangor, and Dr. R. I. Griffiths, Bangor (who qualified as a chemist and druggist in 1929) have been re-elected.

Precautions Against Epidemics.—The Minister of Health, with other Ministers concerned, has been considering action to be taken to assist households should epidemics break out this winter. The Minister has in mind extra doctors and nurses, help in the home, and provision of meals. Arrangements have been made under which, if necessary, Services medical officers will assist in civilian work and the War Office has also agreed to help out the civilian pharmaceutical services by lending R.A.M.C. "other ranks," and V.A.D. members who are qualified pharmacists. Medical officers of health are being officially advised how to apply for assistance.

Forthcoming Dublin Dance.—The annual dance in aid of the Benevolent Fund of the Pharmaceutical Society of Ireland will be held at the Aberdeen Hall, Gresham Hotel, on December 11. A committee under the chairmanship of Mr. Tim Gleeson has been engaged on the organisational work. Accommodation is limited to 500; ticket, including supper, 12s. 6d.

Address on Soviet Pharmacy.—At a meeting of the Romford Branch of the Pharmaceutical Society held on November 12, an address was given by Mr. H. Price, Ph.C., on "Pharmacy in the U.S.S.R." Mr. Price dealt with the historical development of pharmacy in Russia, the method of training pharmacists under the Soviet regime, and the examination and licensing of the several grades of pharmacists.

Veterinary Vaccine Shortage.—A shortage of crystal violet vaccine for the treatment of stock against swine fever was reported at a committee meeting of the Scottish Pig Producers' Association recently. Hopes had been raised as to imports from America, following on correspondence with various Government departments, and a limited supply had been made available for use by a veterinary surgeon, it was stated.

Branch Coming-of-age Dinner.—To celebrate its coming-of-age following reorganisation, the Newport and Monmouthshire Chemists' Association held a dinner and dance at Newport on November 1. The president (Mr. C. C. Giles) welcomed the visitors, among whom were Mr. T. Marns (a past-president of the Pharmaceutical Society) and Mrs. Marns. Mr. Marns told of his recent trips to Canada and the United States.

Staff Dinner.—The staff of Johnson Agencies (Proprietaries) Ltd., Clarendon Works, Croydon, were entertained to a dinner by the directors of the company on November 12. Mr. S. C. Springett (chairman and managing director) welcomed Major Beloe, who had recently been elected to the board. He also thanked members of the staff for the way they had pulled their weight and enabled the company to break all records. Those present were later entertained by theatrical "stars."

First Post-war Meeting at Ipswich.—The first post-war meeting of the Ipswich and Suffolk Branch of the Pharmaceutical Society was held in Ipswich on November 12, when a large company of members, together with a number of local medical practitioners, listened to an informative

lecture by Mr. D. G. Ardley, M.P.S., on "The Chemotherapy of Bacterial Infections." Mr. H. Starling, M.P.S. presided. The lecture was preceded by a film, "Chemists at Work."

Address on Pharmaceutical Practice.—Dr. H. Davis (chief pharmacist, University College Hospital, London) addressed members of the Harrow Branch of the Pharmaceutical Society at their November meeting on "Recent Advances in Pharmaceutical Practice." Dr. Davis emphasised the necessity for pharmacists to keep up to date with modern pharmaceutical development. A vote of thanks was proposed by Mr. Treves Brown and seconded by Mrs. W. Williams.

Somerset Penny-in-£ Total.—At a recent meeting of the Somerset Pharmaceutical Committee it was reported that a total of £294 had been raised by the "penny-in-the-£" scheme. It was decided that the deduction should now cease, and thanks were expressed to all panel chemists of Somerset who had co-operated. After some discussion it was decided not to agree to any deductions from N.H.I. payments for any other purpose.

Irish Rugby Club Dance.—Under the auspices of the Irish Chemists' Rugby Club, a successful dance was held in Dublin on November 15, when some 400 dancers were present, including Messrs. P. A. Brady (vice-president, Pharmaceutical Society of Ireland), Lyall G. Smith (president, Irish Drug Association), F. X. Meagher (vice-president of the Rugby Club), D. J. Nugent, and Peter Rosney (chairman, Chemists' Social Committee).

Atom Lecture.—Mr. R. W. A. Burgess, B.Sc., F.Z.S., gave a lecture on "The Atom" to the North Staffs Branch of the Pharmaceutical Society on November 13. Mr. Burgess led his hearers from the discovery of the atom to the present-day atomic bomb, and suggested that the subject was still in its infancy. A vote of thanks was proposed by Mr. E. Corner, seconded by Mr. W. F. Redfern. The vice-president (Mr. H. E. Denby) was in the chair.

Women as Citizens.—Mrs. E. A. Brocklehurst (chairman of the Hull Branch of the Pharmaceutical Society) addressed members of the National Association of Women Pharmacists at a social evening in London on November 14, her subject being "Woman as Pharmacist and Citizen." She urged those present to consider seriously the possibility of becoming members of local

councils, and of taking an active part in some of the voluntary organisations. There was a vast amount of work to be done in this country, she said, in the way of resettlement and rehabilitation, and it was up to everyone to give of his best both mentally and physically to help restore the way of living of many.

Invitation to Rugby Players.—The Irish Chemists' Rugby Club in Dublin wishes to contact a rugby team attached to any pharmacy school in Great Britain with a view to arranging a match in Dublin on the occasion of the Rugby International between Ireland and England early in the New Year. The officers of any such club in Britain should communicate with Mr. P. A. Moran, secretary, Irish Chemists' Rugby Club, c/o, Pharmaceutical Society of Ireland, 67 Lower Mount Street, Dublin.

Cornish Resolution on Tinctures.—A meeting of Cornish chemists at Truro on November 13, Mr. Baldwin Jenkin in the chair, passed resolutions of sympathy with the secretary (Mr. W. T. Hall), who is seriously ill, and with Mr. Jago (chairman, Cornish Branch, Pharmaceutical Society), who is also ill, and went on to approve unanimously the following resolution. "This representative meeting of Cornish chemists requests the National Pharmaceutical Union to press for a restoration of tinctures of potent drugs in place of liquid extracts in the next revision of the Formulary." Mr. Cannon gave an account of the London Conference of June 1944.

Staff Dinner and Dance.—At the invitation of the directors, the London staff of Evans Sons Lescher & Webb, Ltd., held a Victory dinner and dance on November 10. A party of 109 sat down to dinner. Mr. C. E. Andersen (London house director) presided. Replying to Mr. J. P. Cargill's toast "The Directors," he voiced the board's pleasure that it had been possible to arrange the function. All branches of the company paid tribute, he said, to their London house colleagues because of their endurance, fortitude and good humour during the war years. He extended a special welcome to a few old pensioners of the company who were able to be present, and all were glad to see some Evans men present in uniform.

Committee to Help Austrian Scientists.—A meeting called recently by the Association of Austrian Engineers, Chemists and Scientific Workers in Great Britain, and at which the chief speakers were Professors, P. M. S. Blackett, Manchester, Lancelot

Hogben, Birmingham, F. G. Donnan, London, and Karl Przibram, Vienna, resulted in the setting-up of a committee of British scientists to assist science in Austria. Members of the committee include Sir Harold Hartley, Professor Hogben, Dr. Harlette Chick, Cambridge, and Dr. H. G. Poole. Sir D'Arcy Wentworth Thompson, from the chair, reminded the audience of such names as Doppler, Lochschmidt, Mendel and Mach. Professor Hogben stated that what was required was a form of "intellectual lend-lease," by which Britain as much as Austria would be the gainer. Austrian men of science who had had first-hand experience of the effect of racist doctrines could help Britain in "an unfinished task of intellectual sewage disposal." Professor Donnan singled out the work of Boltzmann, the first to bring the statistical idea into atomic physics, Lise Meitner, the first to split the uranium atom, and Erwin Schroedinger. Professor Blackett stressed the extent to which pure science depended on the general technical level of society.

Industrial Rehabilitation Film.—The chief item at a joint meeting of the Western (London) Pharmacists' Association and National Association of Women Pharmacists held in London recently, Mr. Frank Noble (president, Western Pharmacists' Association) in the chair, was a film, "Accident Services," followed by an address by Mr. N. E. Griffiths, O.B.E. (chairman, executive committee, British Council of Rehabilitation). Accidents depicted were mainly such as necessitated the patient's prolonged absence from work, but Mr. Griffiths pointed out that the majority of industrial accidents resulted in only minor injuries, only one in 400 being serious. Industrial rehabilitation meant getting the patient back to his work in the shortest possible time, to reduce to a minimum the number of working days lost. From that point of view minor injuries were of first importance. There were two chief points for consideration in the treatment of industrial injuries: (a) surgical treatment and dressing; and (b) the patient's work. Injury should first be treated so that the patient obtained relief from pain. In cases of crushed fingers and toes, for example, pain was due to increased pressure of blood beneath the nail, and immediate relief could be obtained by puncturing the nail and allowing the blood to escape. Work on which the patient was engaged had to be taken into consideration when prescribing remedial exercises, to ensure that the

muscles normally used were brought into use again. Miss C. Mozley-Stark (president, National Association of Women Pharmacists) proposed a vote of thanks to the speaker.

Progress in Photography.—At a meeting of the Edgware Division of the North London Pharmaceutical Association, held at Edgware recently, Mr. R. H. Bombback, A.R.P.S., gave an illustrated lecture on "Some Modern Applications of Photography." Mr. Bombback could make no promises about better supplies of films, but showed some of the reasons for the shortage. High-altitude aerial cameras had been devised, he said, which were fully automatic and used the equivalent of one thousand 620 films in one operation. One of the industrial applications of photography, developed during the war, was photographic template production. This enabled templates to be made of any size, and of a high degree of accuracy. The metal plate was first covered with a special lacquer and the emulsion superimposed on that. Another application, the airgraph, had many uses. Banks had used it for reproductions of cheques, and copies of newspapers had been taken and stored with much saving of space. In mass *x*-radiography, 35-mm. film was employed. These pictures, though small, gave adequate indications of the incidence of tuberculosis. The slight penetrating power of infra-red rays had been made use of in hospitals to reveal the blood-vessel structure underlying the skin. The reading of old documents had in some instances been facilitated by the use of ultra-violet ray photography, while high-speed photography had enabled naturalists to make a much closer study of such actions as the movement of birds' wings.

National Council of Employee Pharmacists.—A meeting was held at 17 Bloomsbury Square, London, W.C.1, on November 13, at which delegates from the Association of Pharmaceutical Employees, Association of Scientific Workers, Guild of Public Pharmacists, National Association of Women Pharmacists, National Pharmaceutical Employees' Union, and National Union of Distributive and Allied Workers considered the need for a united front of employee pharmacist organisations. Discussion centred on the problem of inducing the many employee pharmacists who do not belong to any of the craft organisations to take an active interest in professional activities. The organisers were confident that the problem was not incapable of solution, and

it was felt that much of the prevailing apathy was due to a sense of frustration which many employee pharmacists had experienced in the affairs of the Society. Delegates passed the following recommendations to be submitted to the executives of their respective organisations: The National Council of Employee Pharmacists shall, for the time being, be composed of delegates from each of the trade unions and craft organisations, together with representatives from the unorganised pharmacists, and the aims of the Council shall be to work (a) for the formation of local employee-pharmacist sections within the branches of the Society; (b) for adequate representation of employee pharmacists on the Council of the Pharmaceutical Society; and (c) for recognition of the views and rights of employee pharmacists in all the affairs of the Society.—The constitution, policy and activities of the Council will be discussed later.

Birkenhead Association.—Birkenhead and Wirral Pharmacists' Association held a meeting at Hoylake recently, at which Alderman W. J. Tristram J.P. (a member of the Council of the Pharmaceutical Society and of the Executive of the National Pharmaceutical Union), gave an address on "Current Pharmaceutical Affairs." He said negotiations with the Ministry of Health had secured for pharmacy a place at all levels where the pharmaceutical service would be planned. "We are now waiting to hear what a socialist Minister of Health thinks about the plan. He has probably not yet made up his mind." Whatever the remuneration for pharmacists, said Mr. Tristram, it must be in more generous terms than those which existed. Answering questions, he said not every chemist on every occasion would be expected to give service on half-day holidays and on Sundays in the new Service, but a service would need to be arranged on a rota system. Some power must be given to ensure that an adequate service was available in all districts. Those who found the new conditions for taking apprentices to be troublesome would be only a small proportion of those who applied. Usually it was not necessary to wait more than two weeks to know whether an application had been approved.

SUBSCRIBERS' CHANGES OF ADDRESS

When notifying changes of address it is essential that subscribers should state both the old and the new address.

LEGAL REPORTS

Price Summons Dismissed.—At Burton-Trent, recently, Tom Robert Hadley, Station Street, Burton, was summoned for selling a pot of cold cream at an excessive price on May 17. He pleaded guilty. For the Board of Trade, at whose instance the prosecution was made, it was stated that the customer paid 1s. 3d., which was above the permitted price. Defendant, in statement, said that the woman who bought the cream became offensive; he had checked the price and found that another had been made. It was stated in court that Hadley was a man of unblemished character. Owing to a period of requisitioning, details of prices, etc., had become disordered, but the mistake was a genuine one, such as could be made by the most careful seller. The magistrate dealt with the case under the Probation of Offenders Act. His conviction was recorded.

Who Should Hold Licence?—When the Assizes, Lancs, county justices held a special session on November 7 for the transfer of liquor licences, discussion took place on an application by Sydney E. Wignell, district manager for Timothy Wates & Taylors, Ltd., for the transfer from Gilbert Brown of wine and spirits off licences at 45 and 47 Egerton Street, Farnworth, and 137 High Street, Little Lever. Mr. Wignell said such licences throughout the country were put in the name of the district manager, though it was only the practice to visit each branch once a week. The Clerk declared that such a person would not be supervising the sale of intoxicating liquor, and would be the licensee in name only. There was no police objection, and the magistrates granted the application, but it was stated that the justices felt there ought to be some agreement between the applicant and his company to show what his duties were. It might be to the company's advantage that one man should hold the licences, but the practice lent itself to scanty supervision.

Make-up at Excessive Price.—A fine of £7 with £5 5s. costs, was imposed at North London magistrates' court on November 15, on Mrs. Jeanette Levens, 49 High Street, Stoke Newington, for selling for 17s. 6d. a bottle of make-up, the proper retail price of which was 6s. 3d. Defendant had pleaded guilty to a number of offences brought by the Board of Trade for selling price-controlled goods (a jar of Levens "Spot Lite Klear" make-up)

which had already been sold by retail. A laundry manageress, of Islington, said defendant charged her 17s. 6d. for a jar of make-up foundation, and an officer of the local price-regulation committee said that, when he received a complaint, he sent a letter to defendant and received a reply after which it was decided to prosecute. Defendant said she sold toilet goods, household requisites and tobacco. She had been pestered by several customers for the make-up in question, and when she saw a jar offered for sale on a stall in Middlesex Street, she decided to buy it. The man asked 17s. 6d., but, when she told him she had to sell it again, he let her have it for 14s. 6d.

Unauthorised Poison Sale.—At Limerick, recently, S. F. Stokes, creamery factor and hardware merchant, Henry Street, Limerick, was summoned at the instance of the Pharmaceutical Society of Ireland for selling a commodity containing poison, although not qualified. An inspector of the Society called at Stokes's premises, on July 9, and asked for some "special tablets." Defendant gave her a bottle of tablets, for which he charged her 9s. 6d. She then disclosed her identity, asked if a qualified chemist was on the premises, and was told there was not. Evidence was given that the tablets contained a poison which nobody but a qualified person was entitled to sell. The defence urged that the tablets had been sold by Stokes for twenty years, and he thought he was entitled to sell them, "as did other people engaged in the trade." "According to the regulation it would appear that nobody but a qualified chemist could sell Jeyes' fluid," was one statement made in court. The Justice said the regulation was a wise one; he imposed a fine of £5, with £5 2s. costs.

Following publication of the case in the local Press, Jeyes Sanitary Compounds Co., Dublin, took space in the Limerick newspapers for an advertisement reading: "In a recent prosecution for the unauthorised selling of a commodity containing poison, it was stated in court and reported in the Press that 'it would appear that nobody but a qualified chemist could sell even Jeyes' fluid.' The manufacturers of Jeyes' fluid wish to remove any misunderstanding this may cause in the minds of retailers and the public. Jeyes' fluid disinfectant does not contain any scheduled poison and may be sold by any retailer as well as by qualified chemists."

OFFICIAL ANNOUNCEMENTS

Medical Uses of Sulphonamides.—A second edition of Medical Research Council War Memorandum No. 10, bearing this title, has been issued. Of the first edition 50,000 copies were sold.

Air Mail to Australasia.—Air mail correspondence for Australia, New Zealand and the South-west Pacific area, prepaid at the rate of 1s. 3d. per $\frac{1}{2}$ oz. (postcards, 7d.), as well as sixpenny air letters, are now being carried all the way by air from Britain.

Telephone to Egypt.—On November 19 a telephone service with Egypt was reopened for public business. The service is available between 8 a.m. and 11.30 a.m. and between 4.30 p.m. and 5.45 p.m. daily, including Sundays. The minimum charge for a three-minute call is £3, with a report charge, where applicable, of 4s.

Maximum Prices for Combs.—After consultation with the Central Price Regulation Committee, the Board of Trade has made an Order subjecting all moulded combs, whether made by injection, moulding or any other process, to the relative maximum cash prices shown in the first schedule to the Combs Maximum Prices (No. 2) Order (S. R. & O., 1945, No. 1343).

Mail to China.—Registered and unregistered letters, postcards, printed papers, commercial papers and samples are now accepted for the whole of China, including Manchuria, for transmission by surface route as well as by air. Parcel post is restricted to certain provinces (particulars at any Post Office). Business correspondence for ex-occupied China should be restricted to ascertaining facts and exchanging information.

Trunk Call Census.—A census of trunk telephone traffic on three representative days was taken recently by the Post Office, more than a million calls being recorded on specially designed punched cards. The aim is to assess accurately the demand for special facilities at different times of day, so that further planning of the trunk system may be carried out. No official report is to be issued, but some of the information will be made public.

Telephone to East Africa.—Telephone services with Tanganyika and Uganda were opened for public business on October 29. The service with Uganda is limited to Entebbe, Kampala, Jinja and Masaka, and is available between 12 noon and 2 p.m. on Mondays to Fridays. The service with

Tanganyika is limited to Dar-es-Salaam and Tabora and is available between 12 noon and 2 p.m. on Saturdays. Minimum charge for a three-minute call is either Tanganyika or Uganda is £3; report charge (where applicable) is 4s.

Candle Prices Reduced.—A new Candles (Maximum Prices) Order provides that from December 1 the maximum price of candles on sale by a manufacturer or wholesaler to a retailer shall be £2 2s. a case of 72 instead of £2 5s. From January 1, 1946, the retail maximum selling will be reduced from 9d. to 8 $\frac{1}{2}$ d. per lb. The Order retains provisions for bringing the maximum prices to the notice of retailers and the public. Copies of the Order (S. R. & O., 1945, No. 1433) may be obtained from H.M. Stationery Office, price one penny.

Christmas Gifts by Post.—An Order issued by the Board of Trade exempting parcels sent by post from abroad to individuals from the necessity of import licence (see C. & D., September 15, p. 263) has been extended, in consultation with the Ministry of Food, to parcels of a maximum weight of 11 lb. If food is included, the total weight of food must not exceed 7 lb. and the parcel may not contain more than 2 lb. of any one foodstuff. The parcels must be clearly marked "Gift," and must be unsolicited *bona-fide* gifts sent not more frequently than once monthly. The Order does not relieve goods sent from this country from liability to customs duty and/or purchase tax on arrival.

Debts in Former Occupied Territories.—An Order was issued by the Board of Trade on November 10, modifying, in special circumstances, the arrangements for payment of money owed to residents and business people in territories formerly occupied by the enemy. It is now no longer necessary for persons in the United Kingdom to pay such moneys through the Custodian of Enemy Property, if, before the date of occupation, they acquired a draft, telex or mail transfer for the purpose of making payment in a foreign currency (other than enemy currency). The exemption does not extend to money payable in enemy currency, or to persons resident in countries with which His Majesty is at war, or concerns incorporated under the laws of such country. Copies of the Order (S. R. & O., 1945, No. 1414) may be obtained from H.M. Stationery Office, price one penny.

THE WEEK IN PARLIAMENT

by a Member of the Press Gallery, House of Commons

Medicinal paraffin was the subject of recent Parliamentary questions. The question, on November 13, was put by Mr. LEAVY, who asked the Minister of Fuel

Power whether he was aware that pharmacists in Bradford were unable to fill all prescriptions for liquid paraffin, that retail sales were practically impossible. Mr. SHINWELL replied: I am informed that pharmacists in Bradford have recently been unable to meet demands for liquid paraffin but, as I have previously stated, distributors are still receiving supplies on the 1938 scale. The November quota is in process of being issued, and this should ease the situation. This issue, however, has reduced stocks of liquid paraffin available in the country to between two or three weeks' supply, and, although the stocks will be augmented during the month, it is not practicable to increase allocations. The second question was asked on November 15 by SIR ERNEST GRAHAM-LITTLE: Is the Minister of Health aware that the shortage of supply of potable liquid paraffin, which was extensively used for medicinal purposes, is causing hardship to invalids requiring it, and will he prohibit its sale except under doctors' prescription until he has been able to ensure adequate supplies for all. Mr. ANEURIN BEVAN replied: I am aware of the shortage referred to, and this matter is engaging my attention and that of the Ministers of Fuel and Power and Supply and Aircraft Production. The prohibition or use of liquid paraffin conforming to the British Pharmacopœia specification for any purposes other than medicinal, except under licence granted by the Minister of Fuel and Power, is prohibited by the Control of Petroleum Order, 1944.

Industrial Injuries Bill

Mr. JAMES GRIFFITHS (Minister for National Insurance) told the Standing Committee on November 13 that the Government's attitude to the deletion last week of the three-day waiting period from the Industrial Injuries Bill will not be known until the Bill passes through Standing Committee and comes down to the floor of the House for the Report Stage.

Mr. BOYD-CARPENTER asked if the rate of benefit was to be paid to part-time workers. Mr. GRIFFITHS, replying, said when a man or woman, boy or girl, is injured at his or her work and claimed compensation, all they had to find out was whether

there had actually been an accident and, if so, whether they were entitled to benefit. There was general agreement that the whole principle of linking compensation to earnings should go.

The suggestion that employers should be made to pay the wages of an injured man during the first three days of his injury—the old waiting period—was made by Mr. PROCTOR. Mr. GRIFFITHS, replying, said, with regard to the employer's obligation to pay wages, that obligation was put into a contract of service between employer and employee. It was not the intention of the Bill to make provision that benefits should not be paid when the employer paid wages. It was being done in other measures and in other contracts and not in that Bill.

Purchase Tax on Medicines

A plea for the abolition of purchase tax on medicines was made during the debate on the second reading of the Finance Bill by Mr. AUSTIN on November 19: "I would appeal to the Chancellor and say it is most unjust that those who are unfortunately ill are compelled to pay tax on their requirements when they go to the chemist," he said. LIEUTENANT-COMMANDER GURNEY BRAITHWAITE asked if Mr. Austin would support a Conservative amendment on this subject if it were moved during the committee stage of the Bill. Mr. AUSTIN: "I have not seen the amendment in question. After reference to the amendment I will let Mr. Braithwaite know." To this and other similar pleas THE CHANCELLOR replied that they must go slow in remitting purchase tax on anything at all just now. As they moved forward into a period of greater changes that argument would lose much of its force. Purchase tax was a revenue raiser on a great scale.

Retail Business Licences

On November 19 Mr. HENDERSON STUART asked the President of the Board of Trade what decisions he had reached on his review of the Retail Licences Order, with particular reference to opening the way for ex-Servicemen to start businesses on their own account. Sir STAFFORD CRIPPS replied: I am examining the Location of Retail Businesses Order with a view to seeing whether any changes are desirable at the present time in the light of our experiences, but I am not yet in a position to make a statement on the subject.

COMPANY NEWS

E. MERCK & CO., LTD. (P.C.).—Capital £100. Chemists, drysalters, etc. Directors to be appointed. R.O.: 49 London Wall, London, E.C.2.

J. C. PARRY, LTD. (P.C.).—Capital £1,000. Chemists, etc. John C. Parry, and Frank W. Smith, directors. R.O.: 27 Utting Avenue, Anfield, Liverpool.

ALFASPRAY, LTD. (P.C.).—Capital £300. Manufacturing chemists, etc. Thomas G. Pleasant, director. R.O.: Room 7, 107-15 Long Acre, London, W.C.2.

T. D. AMBROSE (CHEMISTS), LTD. (P.C.).—Capital £1,000. Chemists, opticians, etc. H. A. Scholes, M.P.S., and Alfred Elliman, directors. R.O.: 1-3 Stanley Street, Liverpool, 1.

GEDDES & BARHAM, LTD. (P.C.).—Capital £4,500. To acquire the business of a chemist carried on by Edwin A. Geddes at 37 Limpsfield Avenue, Sanderstead. Edwin A. Geddes, M.P.S., Jessie I. Geddes, M.P.S., directors. R.O.: 37 Limpsfield Avenue, Sanderstead.

CRESSWELL (SMETHWICK), LTD. (P.C.).—Capital £5,000. To acquire the business of an aerated water manufacturer carried on by J. R. Cresswell at 4 Halford Street, Smethwick. J. R. Cresswell and Mrs. Kate Cresswell, directors. R.O.: 4 Halford Street, Smethwick.

H. SPEIGHT & Co. (HALIFAX), LTD. (P.C.).—Capital £2,500. To acquire the business of table water manufacturers carried on by H. Speight & Armitage, at 20 Hedge Top Lane, Northowram, Halifax. Lucius Armitage and Harry and Albert Speight, directors. R.O.: As above.

H. T. PHAZEY, LTD. (P.C.).—Capital £500. To acquire the business of a chemist and druggist carried on by Jennie M. Phazez at 93 Ravenshill Road, Yardley Wood, Birmingham, 14. Jennie M. Phazez, Edward H. Mackill, and Eric R. Williams, M.P.S., directors. R.O.: As above.

GENATOSAN, LTD.—Final dividend on the ordinary shares is being raised from 15 per cent. to 20 per cent., making, with the interim dividend, 30 per cent. for the year ended June 30. Trading profit amounted to £150,804, against £131,372 in the previous year.

WINDING-UP REPORT.—A meeting of members of the Institute of Applied Pharmaceutics, Ltd., is being held at the offices

of John Wyeth & Brother, Ltd., Clifton House, Euston Road, London, N.W.1, at 4 p.m. on December 4, to show how the winding-up of the company has been conducted.

Bankruptcy.—**GARFIELD OCTAVIUS JONES, M.P.S.,** Beechwood, Edwardsville Treharris, Glamorganshire, formerly carrying on business at The Square, Treharris. Application for discharge from bankruptcy was heard recently at Merthyr Tydfil. The receiving order was made in 1935, when liabilities were returned at £1,075, assets at £505; dividend of 7s. 11d. in the £ has been paid to creditors. Hearing was adjourned to see whether debtor could make an offer.

Company Liquidation.—**RICOMAN, LTD.** manufacturers of surgical and scientific appliances and druggists' sundriesmen, 1 Henrietta Place, London, W.1. The first meetings of creditors and contributors under a compulsory winding-up order were held on November 12. The company was registered on December 30, 1936, with issued capital of £1,500, to manufacture surgical and scientific appliances and generally to trade as chemists' and druggists' sundriesmen. It acquired for £500 the selling rights of a medicament for the treatment of a certain internal disease, but the profits from this side of the business were small and the advertising expenses heavy. In April 1941, the company's premises, Sentinel House, Southampton Row, were destroyed by enemy action. New premises were acquired at New Oxford Street, 1, in October 1944 larger premises were taken at Henrietta Place. The company did not make full provision for payment of purchase tax. In 1943 it was in arrear with its payments and the Commissioners of Customs and Excise recovered £1,600 by means of a distraint order. The business was handicapped by lack of cash capital, and the debts amounting to £2,163 were assigned to a discount corporation. In June 1945 the company owed £1,431 in purchase tax and on August 1 the Commissioners of Customs and Excise levied a distraint. Business was discontinued on July 1945. No statement of affairs had been lodged, but the liabilities were estimated at about £8,000, against assets expected to realise between £700 and £800. Mr. P. Phillips, New Cavendish Street, London, W., was appointed liquidator, with a committee.

TOPICAL REFLECTIONS

James Fowler Tocher

Not often is there found in the annals of pharmacy a man of the calibre of James Fowler Tocher, whose death you have announced (p. 523). Superficial observers have been known to remark that people with exceptional gifts who are trained in pharmacy are glad to sever their connexion with it at the earliest opportunity. Dr. Tocher's career affords weighty testimony to the contrary; and youthful cynics may with advantage ponder your obituary notice. A brilliant a man could, and in fact did, distinguish himself in several capacities. Let a presentation to him in 1937 Lord Forbes said: "He can discourse with equal authority and facility upon Burns and geonics, stone circles and the proportion solids-not-fat in respectable milk, Einstein's theory of relativity, Scottish history, and mar Khayyám and mountaineering." The amount of detailed work involved in research was well illustrated in the further statement by the same speaker that Dr. Tocher's anthropological surveys had comprised over 10,000 adults and 500,000 schoolchildren. Though not present at the Newcastle meeting of the British Pharmaceutical Conference in 1909, I remember reading his presidential address and being impressed by his grasp of the subject chosen. Even at that comparatively early period of his career he had become widely known outside pharmacy; but, unlike some assessors of a statutory qualification for the Register of Pharmaceutical Chemists, he was never ashamed to take part in any proceedings that might advance the interests of his first calling.

Memorable Address

By good fortune there was no abnormal shortage of paper when, in 1926, Dr. Tocher gave the inaugural address at the opening session of the Pharmaceutical Society's School of Pharmacy; and you printed the text in full. Much of it is as applicable to present-day conditions as it was to those nineteen years ago. Enjoyment of the distinguished speaker's remarks was enhanced by a seasonings of humour: the audience afterwards learned that his reputation as a humorist was legendary. In concluding sentences he maintained a level seldom reached in the long series of these addresses. May I quote briefly? Those who excel in games are likely to excel in the problems of life—they will play the game. . . . We have other fields of

science to dig in; we have literature and history to study; we have our great social problems to unravel. We must take our places, not merely as workers, but also as men and women. . . . Is not the vital problem for the British people the problem of the future—how, by conscious selective action, to secure an increase of the naturally able, active, healthy, and conscientious and the gradual reduction of atavistic characters in the population? Many theorists have had their day. But we must give up inventing worlds of our own and make a genuine attempt to find out the truth about this world. Perhaps the day of the scientist is coming, and then will come the peaceful and real revolution. . . . To go on searching, to keep on the path when we think we have found a bit of it, and to help others on the way all we can, that is the true life work of every man and woman."

British Pharmaceutical Conference

The decision of the British Pharmaceutical Conference Executive to hold next year's meeting of the Conference in London, "on lines possibly slightly more elaborate than those adopted during the past six years" (p. 530), is wise. It is, indeed, the only safe course. Last Saturday a Cabinet minister was reported in the daily Press as saying that until we had reached or, at least, had in sight a balance of our trade we must continue austerity standards: we could not afford to relax them if we were to survive as a first-class power. It would not be before the end of next year that we might expect to reach a pre-war level of exports. There is reason to think that the minister's forecast is sufficiently accurate for practical purposes. Another consideration is that accommodation in hotels and restaurants seems as restricted as it was six months ago; having regard to holiday demands, we can hardly expect this situation to become much easier by next summer. In July 1919, about seven months after the armistice of 1918, the Conference carried out a limited programme of events in London—a precedent that may prove useful in making next year's arrangements. The attendance at the opening reception and at the dinner was from 200 to 250. Other social engagements included a smoking concert, an excursion into Surrey, and a whist drive. In the circumstances this must be considered a brave effort.

Xrayser

APPRECIATIONS OF DR. TOCHER

MR. A. A. MELDRUM, M.P.S., Aberdeen, writes:—

The passing of Dr. J. F. Tocher will recall many memories of this great pharmacist from the North-east of Scotland. From comparatively humble beginnings he rose, by sheer ability and hard work, to be a really outstanding scientist and intellectual. His contributions to pharmacy were many, especially to the scientific and educational sides, and his activities in the advocacy of University status for pharmacists were matched by his foresight in this connexion. Amidst his multifarious duties he never lost his love for pharmacy or his close interest in its affairs, and his presence at local meetings added dignity to the proceedings. A man of many parts, his versatility was unique, and he had a genius for making friends from all walks of life. Honours were showered on him in his lifetime, and no more fitting tribute could be paid to anyone than that made at the memorial service held in the chapel of his Alma Mater. Those who were privileged to know and associate with Dr. Tocher will ever retain an affectionate memory of one who, in addition to his many outstanding abilities, was of an extremely warm-hearted, and friendly nature.

Outstanding Personality

Mr. William Chalmers, M.P.S., writes:—

The passing of James Tocher has robbed pharmacy of one of its outstanding personalities. When I first made contact with him (in the late nineties) he was a "country druggist"—as he styled himself—in Peterhead. But by then he was not only a pharmacist with a country business, but likewise a Fellow of the Institute of Chemistry with a growing analytical practice. And it only required ten minutes' conversation with him to recognise in him a man of exceptional culture and scientific ability, with an apparently untiring capacity for work. He was a member of the board of examiners for Scotland, doing research work and contributing scientific papers of the most varied character to the North British Branch of the Society, to the British Pharmaceutical Conference, to the British Association and to many other learned societies. His prime subject, however, was mathematics. He had a passion for statistics which was early in evidence, for in 1901 he contributed to the Anthropological Section of the British Association a striking paper on "The Frequency and Pigmentation

Values of Surnames of School Children East Aberdeenshire," which was based on an examination of 14,581 school children. I well remember that, on his frequent visits to London during that period, he was enamoured of his subject that he endeavoured to induce his many friends and acquaintances to have their skulls measured and hair classified for colour. He was then studying for short periods annually at University College, under Professor K. Pearson, the authority on biometry, eugenics and statistical science, and among the exhibits at the Royal Society's *convegnaz* at Burlington House in 1904 was one of Professor Pearson of "a hair-colour scale composed by Mr. J. F. Tocher, F.I.C., twenty-five different colours of human hair and reproduced in the exact colours for classification purposes." In pharmacy his genius for statistics was evident, perhaps most markedly in the scheme which evolved for territorial representation on the Pharmaceutical Council. This created mild furore throughout the country some time. The scheme was launched by the Federation of Pharmaceutical Societies at Bristol in 1903, and was illustrated by tables of figures elaborately worked out, shaded maps showing the various parts of England, Wales and Scotland divided into Pharmaceutical Council districts, the ratio of chemists to population, and a beautiful graph of "frequency curves" demonstrating, among other things, "the normal course of frequency with a standard deviation equal to that found in the proposed pharmaceutical districts." Dr. Tocher was a pioneer in many other things. In 1906 he advocated a University degree for pharmacists, and in his presidential address to the Newcastle Conference he reiterated his views on education and examination and illustrated (again by table and diagram) the economic problems of the pharmaceutical industry.

Diseases of Bees.—A pamphlet under this title from H.M. Stationery Office (pp. 45, price 9d.) deals with the most common brood diseases, including foul brood, chalk, stone, and "addled and sac brood," all of which have a weakening effect on the colony as a whole. Tables are given comparing the symptoms of the brood diseases, thus enabling the keeper to distinguish between healthy and diseased broods. Abnormal conditions of brood are attributed to factors other than disease and are described.

PERSONALITIES

R. REUBEN HUDSON, M.P.S., has been elected mayor of Burnley.

R. GORDON LONG has been appointed as officer to Imperial Chemical Industries Ltd.

DERMAN D. J. BAILEY, J.P., M.P.S., has been re-elected chairman of Blackpool Race Committee.

W. DEACON, C.B.E., has been appointed chairman of the Somerset Race Committee for the sixth year of his office.

RIGHT-LIEUTENANT F. W. HUMPHRIES (Pigant) has returned home after five years' service with the Royal Air Force in the Middle East. His present address is 10 Marlays Bank, Acton, London, W.3.

ESS JENNINGS, winner of the silver medal of the Pharmaceutical Society of London and recently, is a native of Belcarra, Aberar, co. Mayo, and served her apprenticeship with Mr. James J. Cahill, M.P.S.I., in Street, Castlebar.

MAJOR JAMES HICKS, M.P.S. (Hicks & Chemists, Rothesay), has been appointed a Bailie by Rothesay town council. A member of the Council, he was recently liberated after being a prisoner-of-war in Japan for five years.

J. H. JOHNSTONE, M.P.S. (Reynolds & Johnstone), has been elected mayor of Wallingford, Berks, for a fifth consecutive year of office—a record unequalled since the town of Wallingford was created by Charter of Henry II in 1155.

J. S. H. DAVIES, B.A. (Cantab), Ph.D. (Manchester), has taken up duties as director of research, British Research Institute, in succession to Professor D. H. Hey, who was recently appointed to the chair of chemistry, King's College, University of London.

M. LESLIE PIPER, M.P.S., the Wolsey Pharmacy, Ipswich, has had to enter hospital to undergo an operation. In his absence, Mrs. Piper, M.P.S., is carrying on the pharmacy with the assistance of a Mr. Piper is chairman of the local branch of the Pharmaceutical Society.

CHANGE OF NAME.—Mr. Charles Kale, 33 Delaware Mansions, Delaware Road, London, formerly known by the name of Charlie Kitsberg, has given notice that he assumed the name of Charles Kale in November 1938, the change being effected by a deed dated October 24, 1945.

DR. FRANK STUART SPRING (Manchester University) has been appointed to the chair of chemistry at the Royal Technical College, Glasgow, and will take up his new duties in 1946. He has been associated during the war with Professor A. R. Todd, F.R.S., in attempts to prepare antimalarials, etc.

MR. A. DURRANT, 51 Stuart Road, Great Crosby, Liverpool, who was recently elected president of the Crosby Pharmacists' Association, served his apprenticeship with the late Mr. S. J. D. Manson, Waterloo, Liverpool. He qualified from London in 1928, and commenced business at his present address in 1930.

MARRIAGES

CLARKE—WHELDON.—On November 15, Major S. Douglas Clarke, Indian Army, younger son of Mr. H. Clarke, M.P.S., Norton-on-Tees, to Lily Wheldon, Fairfield, Stockton-on-Tees.

McCOTTER—CHAMBERS.—At Cregagh Methodist Church, Belfast, on November 14, Robert J. McCotter, M.P.S.N.I., to Florence Adelaide Chambers.

DEATHS

FOULDS.—In an internment camp in Sumatra, recently, Mr. Harry Fort Foulds, formerly of 56 Parker Street, Colne. Mr. Foulds qualified as a chemist and druggist in 1929. He escaped from Singapore at the time of the Japanese invasion, but was captured in Sumatra.

INMAN.—Recently, Mr. Thomas Inman, surgical dressing manufacturer, Oldham, aged eighty-three.

REYNOLDS.—Recently, Mr. Thomas William Reynolds, Ph.C., 6 Tudor Avenue, Hirwaun, Glam. Mr. Reynolds qualified as a chemist and druggist in 1909 and passed the pharmaceutical chemist examination the same year. At the funeral, the local branch of the Pharmaceutical Society was represented by Mr. Noel Thomas, Aberdare, and the local branch of the National Pharmaceutical Union by Mr. I. E. Thomas, Aberaman.

ROCHE.—On October 31, Mr. Raphael Roche, described in "The Times" by Mr. Bernard Shaw as "perhaps the most noted and successful of the host of unregistered medical practitioners in London." Mr. Roche attributed his cures to his "extraordinary knowledge of drugs."

SMITH.—On November 11, Mr. Gerald Ernest Smith, M.P.S., The Pharmacy, Beacon Hill, Hindhead, Surrey, aged fifty-one.

TRADE NOTES

Toilet Rolls for Prompt Supply.—Advance Supply Co., 74 Upper Street, Islington, London, N.1, offer toilet rolls for immediate delivery at terms which are given elsewhere in this issue.

Sealing Tape.—Simplified and speedier packing and sealing work is claimed to be secured through the medium of self-adhesive tape issued by Industrial Tapes, Ltd., 92-94 Newman Street, London, W.1.

Apology for Delay.—Stannards, manufacturing chemists, Tadworth, Surrey, offer apologies for temporary delays in executing orders for the company's specialities, a list of which is given on another page.

Building Site.—In this issue an offer is made of a 19,000 sq. ft. site in the Euston Road, London, suitable for constructing offices, showrooms or warehouses. Interested persons should refer to the announcement for full particulars.

Still in Short Supply.—Pinaud, Ltd., Atkins Road, London, S.W.12, state that materials are not yet available to make more than a few of the company's specialities to the original Paris formulas, but further goods are being manufactured as materials are released.

Distribution in India.—Manufacturers and packers of food products, medicines, toilet preparations, etc., wishing to market their products in India, are invited to communicate with R. N. Rustumji & Co., Currimbhoy House, Waudby Road, Post Box 884 Fort, Bombay, India.

"Rationing" Continued.—The rationing system instituted by Charles H. Phillips Chemical Co., Ltd., 179 Acton Vale, London, W.3, is being continued for the present, because supplies are not yet available in sufficient quantities to allow of any appreciable increase in present quotas.

In Plentiful Supply.—An announcement drawing attention to the virtues of Cresantol-15 appears in this issue. The manufacturers, Monsanto Chemicals, Ltd., Victoria Station House, London, S.W.1, state that ample supplies are available for antiseptic fluids of the chlorinated xylene type.

Barrier Cream.—Dermoclean, a cream containing 0.2 per cent. parachlormeta-cresol, is stated to provide hands with

"an imperceptible coating which effectively prevents dirt from penetrating the pores. The manufacturers are Clay & Abraham Ltd., Liverpool, 1; terms are given in this issue.

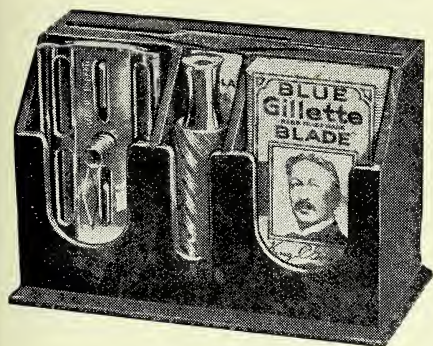
New Medium of Skin Treatment.—Innox Laboratories, Balls Pond Road, London, N.1, announce the introduction of Keroderm ointment, which is described as "a new agent in the treatment of skin affections." The product, which is being advertised to the medical profession, is available to chemists through the usual trade wholesalers.

Representatives Appointed.—M. C. Thorpe & Co., Ltd., Ossett, Yorks, manufacturers of Vironita, have appointed the following area sales managers: *Southern*, Mr. W. Carter, 23 Meadway, Grand Drive, Raynes Park, London, S.W.20; *South Midlands*, Mr. H. F. Hunt, Lorna Door, 20 Ridgeway Drive, Newport, Mon. *Eastern*, Mr. J. Hart, 15 Oxford Avenue, Guiseley, nr. Leeds; *Northern*, Mr. J. Oliver, Herrons Hotel, 40 Jesmond Road, Newcastle-on-Tyne. Mr. C. B. Wilson continues as general sales manager.

DDT Preparations.—Burroughs Wellcome & Co. (The Wellcome Foundation, Ltd.), 12 Red Lion Square, London, W.C. announce the introduction of Wellcome brand veterinary DDT dispersible powder containing 32 per cent. DDT for the treatment and prevention of ectoparasitic infestations in domestic animals and for the control of flies in buildings, etc.—Coop McDougall & Robertson, Ltd., Berkhamsted, Herts, offer a variety of DDT preparations for different purposes, the composition varying to secure highest efficiency and greatest convenience.

Medical Leaflets.—Evans Sons Lescher Webb, Ltd., Speke, Liverpool, have recently issued leaflets for a number of their medical specialities, including Astevan, a solution for the inhalation treatment of asthma; a hay fever; Pectevan, an elixir for diseases of the respiratory tract; phenobarbitone injection (Evans), a 20 per cent. solution of phenobarbitone in non-toxic solvent for use as a sedative and hypnotic; Pirev (6:6'-ureylene-bis-(1-methyl-quinolinium bismethosulphate) in solution. Copies of leaflets and of a folder on the administration of antitoxic and antibacterial sera may be obtained by any practising pharmacist on application to the company.

Safety-razor Outfits.—During the current year the Gillette No. 26 and Valet No. 99 sets have been introduced to the home trade for the first time by the manufac-



turers, Gillette Industries Great West Road, Isleworth, Middlesex. The Gillette No. 26 set is intended for use in the bathroom and contains a nickel-plated Gillette razor with telescopic handle and two blue Gillette blades. The Valet No. 99 set comprises a nickel-plated Valet razor, strop and three Valet blades in a red-mottled case.

Proprietary Articles Trade Association

Additions to Protected List.—*The Curacho Co.*, Curacho waters oil-less embrocation, 6-oz., 27s., tax 4s. 6d. doz., inclusive retail price, 3s. 4½d.; veterinary, 6-oz., 22s. 6d. (tax 3s. 9d. doz.), i.r.p., 2s. 10d.

W. J. Rendell, Ltd., Ovastol, 48s. doz., tax, 8s. doz., i.r.p., 6s. 8d.; Rendell's gels, 2s. 6d., 21s. doz.; six doz., 20s. doz.; twelve doz., 19s. doz.; box of 6, 1s. 6d., 11s. doz.; six doz. boxes, 10s. 6d. doz.; twelve doz. boxes, 10s. doz. (All exempt from tax.)

Alterations.—*Granto Laboratories, Ltd.*, Ple-sox, 18s. doz., tax 3s. doz., i.r.p., 2s. 6d.; 33s. doz. tax 5s. 6d. doz., i.r.p., 4s. 7d.; 54s. doz., tax 9s. doz., i.r.p. 7s. 6d.

St. Andrew Mills, Ltd., Camelia sanitary towels, size 0, Ideal or Special, 1s. 5d., 12s. 9d. doz.; size 1, Modern, 1s. 7d., 14s. 3d. doz. (exempt from tax). Agents: *Chappell, Allen & Co., Ltd.*, Walpole House, New Bond Street, London, W.1.

Solport Bros., Ltd., Portia hammocks for baby balances, No. D57, 22s. 6d. doz., tax 7s. 6d. doz., i.r.p. 3s. 6d. Portia outfits for baby balances, No. D60, 54s. 6d. doz., tax 18s. 2d. doz., i.r.p., 8s. 5d.

Wright, Layman & Umney, Ltd., reduced prices, December 1: Wright's malt extract with cod-liver oil, 1-lb., 2s. 1d., 18s. 9d. doz.; 2-lb., 4s., 35s. 6d. doz.; with cod-liver oil and iron, 1-lb., 2s. 4d., 19s. 3d. doz.; 2-lb., 4s. 5d., 36s. 6d. doz.

Business Changes

MR. A. H. EDWARDS, a representative of Stemco, Ltd., London, N.W.1, has removed to 143 Rugby Road, Binley, Coventry.

MR. F. E. CAVIE, M.P.S., Reading, has acquired from Gosling Bros., Ltd., the Crown Pharmacy, 231 Knight's Hill, West Norwood, London, S.E.27.

MR. C. E. BEVERIDGE, M.P.S., Gillingham, Kent, has purchased the pharmacy at 31 High Street, Rainham, Kent, formerly carried on by Mr. C. W. Miller, M.P.S.

THE telephone number of Harwoods Laboratories, Ltd., Rickmansworth Road, Watford, Herts, is Watford 4457 and not as given in a recent advertisement.

MR. D. L. HARDIE, M.P.S., has sailed for India to join the representative staff of Evans Sons Lescher & Webb., Ltd. On the way out he will make a tour of the Middle East on behalf of the company.

MR. T. J. COWLING is being taken on as partner by Mr. H. Hirji, importer and exporter of drugs and essential oils, 90-96 Cannon Street, London, E.C.4. The partnership will trade as Hirji & Co.

MR. STANLEY S. ARMFIELD, 10 Cranmer Close, Morden, Surrey, has been appointed representative in South London for E. J. Hanson, manufacturing chemists, 22 St. Faith's Road, London, S.E.21.

THE DEPARTMENT OF OVERSEAS TRADE has moved to 35 Old Queen Street, Westminster, London, S.W.1, and all communications should be addressed to the Comptroller-General. Telephone: Victoria 9040.

TIMOTHY WHITES & TAYLORS, LTD., Leeds, have notified the Leeds Corporation that they no longer propose to proceed with the acquisition of six and a half acres of land in a light industry area at Kirkstall Road, Leeds.

MR. GEORGE H. JEWETT (executive vice-president of the Blosser Co., Atlanta, Georgia, U.S.A.) has acquired full ownership of the Gannett Trading Co., London, England. The firm has marketed American products in Europe since 1911.

A PARTNERSHIP between William Ewart Morton and Mary Pulvertaft, carrying on business as pharmacists at 123 The Broadway, Southall, Middlesex, was dissolved as from September 29. The business is being carried on by Mary Pulvertaft under the existing title of George Edward.

PHARMACEUTICAL SOCIETY OF IRELAND

THE Council of the Pharmaceutical Society of Ireland met in Dublin on November 13. Mr. J. K. Whelehan (president) in the chair. Messrs. P. A. Brady, P. C. Cahill, T. C. Scott, R. Daly, M. Power, H. P. Corrigan, P. Fullam, P. Brooke-Kelly, G. C. O'Neill, M. Costelloe, J. Gleeson, C. J. Cremen, P. F. McGrath, F. X. Meagher, T. B. O'Sullivan, and J. P. Kissane were also present. MR. MEAGHER mentioned that their colleague, Mr. William Cunningham, was gravely ill, and suggested they should convey their sympathy to him through Mrs. Cunningham, together with their hopes for his recovery. It was agreed that the president should convey the expression of sympathy to Mrs. Cunningham.

The Vicar Capitular, Dungannon, wrote thanking the Council, on behalf of the clergy and laity of the Archdiocese of Armagh, for their kind expression of sympathy on the death of Cardinal MacRory.

The Dean of Christ Church Cathedral wrote inviting the Council to be represented at a Citizenship Service to be held in the Cathedral on November 18, and Mr. T. C. Scott intimated that he would attend.

MR. JOHN J. GAYNOR (law adviser), reporting on a case, *Society v. Stokes*, stated that the case had come on at Limerick on October 19. The defendant had pleaded guilty, but there had been a lengthy argument by his solicitor on technical points; the justice had imposed a fine of £5, with £2 2s. costs.

A letter was read from Dr. C. H. Hampshire (secretary of the British Pharmacopœia Commission) acknowledging receipt of the recommendations of the Council for additions to and omissions from the British Pharmacopœia, 1932, and stating that the letter would be placed before the Commission at its next meeting.

THE REGISTRAR (Mr. J. J. Kerr) reported that he had received a copy of the seventh supplement to the British Pharmacopœia Codex from the Codex Committee.

Registration and Membership

The following who submitted certificates were granted Preliminary registration: Misses J. W. Aherne, K. Broderick, M. Buckley, N. M. Carron, M. M. Cotter, A. Deignan, M. T. Doherty, M. P. Downey, M. A. Foley, E. Halpin, M. Hanly, M. M. Harrison, T. Hayes, M. Joyce, M. P. Keating, M. T. Kelleher, A. P. Lynch, M. M. M. McMonagle, M. P. Mackesy, M. R. Maguire, B. M. Mangan, P. T. Mullen, J. J. Murphy,

G. Noonan, K. Noonan, C. C. O'Byrne, K. M. O'Connor, M. O'Donnell, P. M. O'Keefe, A. T. O'Neill, A. H. O'Reilly, M. M. Roche, J. M. Shine, A. P. Tobin, J. C. M. Walsh, M. M. Ward; Messrs. G. Boyle, H. P. Carroll, W. Conway, B. G. Deighan, R. F. Delanty, J. N. Dunphy, P. J. Fay, W. P. J. Gannon, H. P. Hannon, J. Hartnett, J. F. Hayes, T. F. Kelly, F. J. Kerrin, P. J. Lavelle, I. J. T. McGuinn, W. Meagher, T. J. Murray, T. J. Nolan, P. J. O'Brien, F. A. O'Carroll, J. F. J. O'Connor, H. J. O'Meara, R. J. Pattison, M. Power, C. A. D. Roche, J. P. Simons, and A. Skehan.

The following changes of address were notified: Mr. G. Chambers, M.P.S.I., to 3 Railway Road, Dalkey, co. Dublin; Mr. S. Citron, M.P.S.I., to 11 Eaton Road, Terenure, Dublin; Miss A. Clarke, M.P.S.I., to Market Street, Dundalk; Miss N. C. Dowling, M.P.S.I., to Main Street, Clogheen, co. Tipperary; Mr. J. C. Kehoe, M.P.S.I., to 47 Grosvenor Square, Rathmines, Dublin; Mr. Daniel C. S. McAlister, M.P.S.I., to 39 Church Road, Holywood, co. Down; Miss K. McLaughlin, M.P.S.I., to Ballybofey, co. Donegal; Mr. G. Moriarty M.P.S.I., to Lanesboro, Longford; Mr. P. F. O'Gorman, M.P.S.I., to Gladstone Street, Clonmel, co. Tipperary; Mr. J. J. Power, M.P.S.I., to 36 Lower Camden Street, Dublin. Mr. J. G. Smyth, M.P.S.I., to 1 Castle Street, Sligo; Mr. Joseph Smyth, M.P.S.I., to 23 Main Street, Donnybrook, Dublin; Mr. J. S. Starkey, M.P.S.I., to 26 Brighton Road, Rathgar, Dublin; Mr. E. J. Fallon, L.P.S.I., to G.M. Hospital, Curragh, co. Kildare; Mr. R. McAdoo, L.P.S.I., to 24 Maidenhead Road, Windsor, Berkshire; Mr. M. D. McDonagh, L.P.S.I., to Austin Friars Street, Mullingar, co. Westmeath; Miss N. P. Bygrove, Assistant, to Ard Muire, Blackrock, Cork; Mrs. M. O'Dea, *née* Naughton, Assistant, to 7 Clarinda Park, East, Dun Laoghaire; Mr. H. Salisbury, R.D., to 132 Kincora Road, Clontarf.

THE REGISTRAR reported on the deaths of D. Sheehan, M.P.S.I., C. E. Hill, L.P.S.I., and Robert Holmes, R.D.

The Licence certificates of the following were signed and sealed: Michael G. Brogan, Josephine M. Clavin, Cora Gaffney, Francis Hart, Nuala Margaret Howard, Daniel Martin Lynch, Clare Anne Rooney, Teresa Sheehan, and Charles Michael Ward. The following were elected members of the Society: Misses A. Clark and A. McGee-

terick; Messrs. J. F. Moan, and T. F. O'Driscoll; Miss M. M. Walsh. The following were nominated for membership: Miss C. Gaffney, 17 Earlsfort Terrace, Dublin; Messrs. M. Kennedy, 1 Goldsmith Terrace, Bray; F. Reen, Millstreet, co. Cork; and Joseph Smyth, 23 Main Street, Donnybrook, Dublin.

THE REGISTRAR reported that he had received, through the courtesy of Mr. Fred Storey, a copy of the new Northern Ireland Pharmacy Act. On the suggestion of Mr. MEAGHER, it was decided to order copies for all members of the Council.

For and Against Increased Fees

A letter was read from a member of the Society in the following terms: "I saw recently that it was proposed to increase the amount of the member's subscription. I would be quite agreeable, and would consider £2 2s. or even £3 3s. reasonable." Arising out of this letter, MR. DALY said that the feeling in Cork was all against increasing the membership fee. He agreed that the Society should have the best premises and rooms possible in Dublin, but did not see why country chemists should have to pay for this. At the moment country chemists did not get a tremendous benefit for what they paid, and feeling in Cork was strong. THE PRESIDENT pointed out that the Society was a national body, and the view expressed by Mr. Daly was a local view. When the matter came before the Council it would be by notice of motion, and there would be ample facilities for discussion.

MR. CAHILL said that the question of increasing the subscription was one to which the House Committee would have to give a lot of consideration; within the next few months they would have an opportunity of dealing with it.

Examiners' Reports

The reports of the Schools, Law, House, and Certificates and Declaration Committees were submitted and approved. Reporting on the recent examinations, the examiners stated that thirty candidates had presented themselves for the Licence examination, of whom twelve had passed; thirty-two candidates had sat for the Assistants' examination, of whom sixteen had passed. The only entrant for the Registered Drug-dist examination had failed.

The Council then considered a motion, previously tabled by Mr. Meagher, which had been adjourned from the previous meeting, that a new regulation should be added to the Licence examination regula-

tion, under which any candidate for the examination who held a degree in science in a university recognised by the Irish Medical Council might, on application by the candidate, be exempted by the Council from (a) lectures and/or (b) examination in either or both of the subjects of chemistry and botany, provided that the candidate had passed in the University examination for his degree in each subject or subjects.

MR. KISSANE said he had looked into the matter since the previous meeting, and felt that they should confine the exemptions to those who took a B.Sc. in chemistry. THE PRESIDENT thought the point was covered in the motion, and MR. KISSANE said that, in his view, such candidates could be exempted from doing the lectures but should take the examination.

MR. MEAGHER mentioned the son of a former member of the Council who had won a scholarship into University College, Dublin. The mother of the boy was hesitant about letting him take a B.Sc. course because she felt it would be of no use to him when coming into his late father's business. He (Mr. Meagher) thought they should have some system for recognising a B.Sc. degree. His proposal was no substitute for a recommendation by Mr. Cremen for a degree in pharmacy, which would also have his strongest support. Any scheme that tended towards higher standards of education amongst chemists should find favour in that Council chamber.

Examinations Recognised

THE PRESIDENT informed Mr. Scott that the University examinations recognised were those of any University recognised by the Irish Medical Council. Even with the proposed exemptions, the student concerned would have to serve a four-year apprenticeship and take his pharmacy and materia-medica lectures and examinations. The exemptions suggested might attract a pharmacist's son or daughter to do a science degree.—The motion was then passed unanimously, and the suggested new regulation will go forward to the Minister for Justice for his approval.

The following motion was then agreed to: That the Pre-registration examination in 1946 be held on November 19. That all applications be received not later than November 1, 1946.

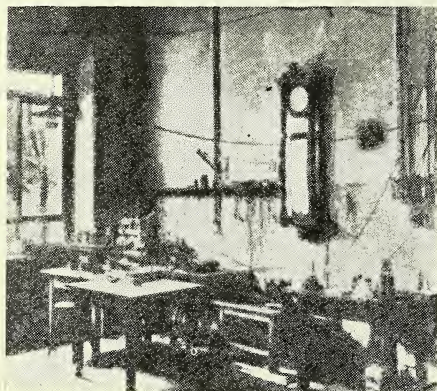
MR. DALY then moved a resolution of which notice had been given in his name relating to the title of the Society's premises at 67 Lower Mount Street, Dublin.

(To be concluded)

FIFTY YEARS OF X-RAYS

by Walter Deacon, C.B.E., M.Sc., M.P.S., a member of the Society of Radiographers and proprietor of the Bridgwater X-ray Clinic

DURING the past month physicians and surgeons, physicists, chemists and engineers from all parts of the world have joined to commemorate the discovery of *x*-rays by Wilhelm Conrad Röntgen on November 7, 1895. The Royal Society,



Original room in which Röntgen's discovery was made, showing actual apparatus.

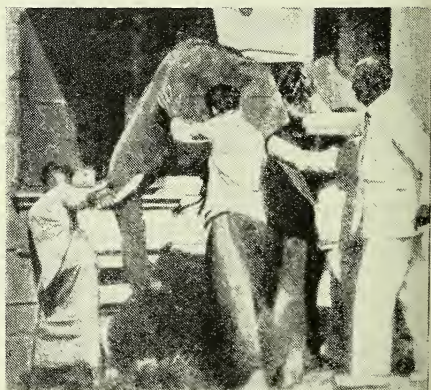
Royal Institution, and Royal Society of Medicine, for example, each celebrated the anniversary. Röntgen, experimenting with the conduction of electricity through gases and using a vacuum tube, noticed that a screen covered with a special chemical became fluorescent when the electric current was passing through the tube. As this was enclosed in a box, something must obviously be coming out of the box, even passing through its covering. It was found to affect a photographic plate, and Röntgen applied the term *x*-ray to radiation because of the many puzzling features that it possessed. The announcement, coming from a little Bavarian town, aroused an interest that, of its kind, has probably been unsurpassed, and today it is impossible to think of a modern hospital without realising the importance of its *x*-ray department, quite apart from the vast importance of the discovery in the realms of science and industry.

Electronic Progress

The whole study of electronic radiation took a new turn with Röntgen's discovery. The *x*-rays he described came from the

cathode in his vacuum tube. Cathode rays today are the essential mechanism behind Radar and television. The electron microscope, which can magnify a red blood corpuscle to a diameter of a few feet is a further development. Still more elaborate is the bombarding of the atom by *x*-radiation.

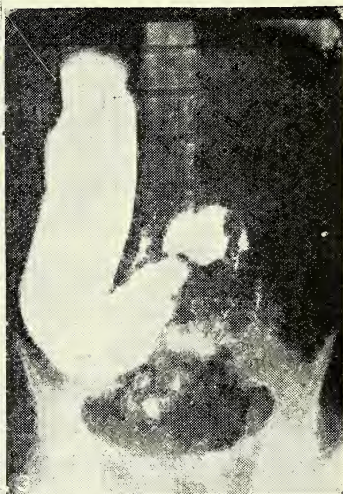
The subject of *x*-rays should make a great appeal to the pharmacist, for no better initial training could be imagined for the making of an expert radiographer. The pharmacist's knowledge of physics, his appreciation of the handling of delicate apparatus, his familiarity with the methods of photography, his ability to make barium and opaque meals, put him in an extremely favourable position. In listening to discussions about the value of *x*-rays among hospital, pharmaceutical, Insurance Committee and other audiences, the doubt arises whether the terms radiologist and radiographer are always fully understood. The latter is the technician who produces the film, and the former the medical man who interpretes and diagnoses it. The past fifty years have been a period of outstanding progress in the development of apparatus, a progress that is reflected in



X-raying an elephant's damaged ear (photographed outside a Ceylon hospital).

the accompanying illustrations—far surpassing in quality the results first achieved after Röntgen's announcements, when the exposure time was forty-five minutes. To-day, a typical result is obtained

APPLICATIONS OF X-RAY PHOTOGRAPHY



1. Radiograph of needle in hand. Exposure: $\frac{1}{4}$ sec. 2. Skiagraph of kidney beans. 3. Opaque meal (barium sulphate) used to indicate stomach in x-ray photograph for medical diagnosis purposes (negative). 4. Fractured collar-bone.

with modern apparatus at a fraction of a second exposure, the finished result being available in a few minutes, and wirelessed 100 miles in twenty minutes.

Modern Applications

It is hardly possible to appreciate the wideness of the application of x -rays in the realm of medicine today. Every physician, surgeon and dentist depends constantly on their use for diagnosis and prognosis in a large number of cases, for there is practically no region of the body that is not capable of being subjected to a searching examination by these penetrating rays for the detection of some injury or disease at one time or another. Moreover, some serious conditions are treated with considerable success by the same method. The orthopaedic department of a modern hospital largely depends on radiography to deal with patients suffering from fractured or damaged limbs, who are instantly sent to the x -ray department. The findings read from the photographic film, technically called the radiograph, often give valuable help in defining and treating the injury. Diagnosis of internal troubles, moreover, is considerably helped by studying the path of barium or opaque meals in the intestines, and their use, in connexion with mass radiography, has been helpful in facilitating the

early detection of tuberculosis. Foreign bodies are found with ease, and altogether the range of x -rays in modern medicine is almost unlimited. Their value in dentistry increases daily, and it was recently stated that periodic x -ray examinations of the teeth and jaws are essential to dental health. Many people now have dental examination by this method two or three times a year. The use of x -rays in veterinary work is also growing. In pharmacy the technique has important possibilities in the study of growth and development of seeds, fruits etc. The time should not be far distant when modern textbooks on botany will be illustrated with coloured radiographs. Diseases of plants can also be studied with great satisfaction, and in forestry the examination of trees by x -rays is of growing importance. The available knowledge of atomic energy has been greatly assisted by their use.

The fifty years of application of Röntgen's discovery have been a period of quite amazing development, but the end is not yet. The field for further use of x -rays is large, and it may be that those entrusted with drawing up the syllabus for future students of pharmacy will have to give more space to the subject in order that the pharmacist's knowledge of x -rays may be extended and utilised by the community.

TECHNOLOGY DEGREES?

CONCLUSIONS reached by the Percy Committee and given in its report on "Higher Technological Education" published recently by the Ministry of Education (H.M. Stationery Office, price sixpence) include a recommendation for a new type of technical-college course demanding substantial periods of full-time study, the standard of the course to be equivalent to that of a university degree, but with a different content. The report goes on to recommend that eight regional advisory councils should be established in England and Wales, co-ordinating technological studies in universities, colleges of technology and other technical institutions. Each such council should establish an academic board to ensure co-ordination on the teaching level, and there should be arrangements for adequate representation of and consultation with industry. A standing organisation, to be known as the National Council of Technology, is recommended to be set up under the Minister of Education, and the suggestion is made of a limited number of full-time and post-graduate courses.

Members of the Committee were divided on the question of the title of the award to be gained at the end of the projected full-time courses. Some members considered the prestige of the term "degree" was so valued that the National Council of Technology should be empowered to confer a Bachelor of Technology (B.Tech.) degree. Others held that a diploma in technology was more appropriate. A further suggestion, made in a separate note by the chairman, was that selected colleges of technology should be developed in the future into university institutions granting their own degrees. The Committee urges that industry should enable promising employees to take full-time courses at universities and technical colleges and that there should be an easy path for boys entering industry at an early age to return to full-time education. The report insists on the importance of freedom of "two-way traffic" at all stages between universities and technical colleges; and a readiness on the part of universities to recognise qualifications gained at technical colleges.

B.E.T.R.O. MEMBERS DISCUSS PLANS

MEETING of the British Export Trade Research Organisation was held in London recently. Mr. ARTHUR ETHELL (Director of administration) said the Organisation could offer an intelligence service, and from the beginning would be able to carry out specific research on instructions from members. A number of senior staff had been engaged and young men were under training as investigators. A formula had been arrived at that would admit trade associations to affiliation on limited terms. He asked whether B.E.T.R.O. could investigate the credit-worthiness of importing agencies and ascertain the suitability of agents for marketing particular products. Mr. Ethell thought that the Organisation could assist in this way at a later date, though that type of investigation was also a function of banks, commercial councillors, and chambers of commerce. MR. BATEMAN

(Horlicks, Ltd.) asked whether B.E.T.R.O. would use only its own staff to carry out market research, and the reply was that at first it would be impossible for the Organisation to set up world-wide branches. Every source would be used, and already the ability and trustworthiness of existing market research organisations overseas to act as agents were being investigated. On the dividing line between ordinary and special research (e.g. for which a member paid a fee), MR. ETHELL explained that certain information was available to all members and would be published by means of bulletins but, where a member instructed B.E.T.R.O. to carry out specific research, the resulting report would be his property. The view was expressed that much of B.E.T.R.O.'s work could be carried out by export groups. Mr. A. G. JONES explained how B.E.T.R.O. would plan its research.

REGIONAL BOARDS FOR INDUSTRY

The Regional Production Boards have been reconstituted by the President of the Board of Trade as Regional Boards for Industry. The Boards will in future act over the whole field of productive industry. Each Board consists of an impartial chairman, three representatives of employers and trade unions, and the senior regional representatives of the Board of Trade, Admiralty, Ministry of Labour and National Service, Supply and Aircraft Production, Food, Fuel and Power, Transport and Country Planning, War Transport, Works, and, in Scotland, the Scottish Office. Representatives of other Departments attend when necessary. Under the terms of reference the Boards will advise Ministers on industrial conditions in the regions and upon steps

REGION	SECRETARY	ADDRESS
Northern	Mr. H. A. Redpath ..	Clarendon House, Clayton Street, New- castle-on-Tyne, 1.
East & West Ridings ..	Mr. W. Holroyd ..	Fargate House, Fargate, Sheffield.
North Midland.. ..	Mr. H. E. Hutchins ..	51-55 Clifton Boule- vard, Nottingham.
Eastern.. ..	Mr. R. J. Forbes ..	Shaftesbury Road, Brooklands Avenue, Cambridge.
London & South-eastern	Miss K. Muirhead ..	Brettenham House, Lancaster Place, W.C.2.
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North-western	Mr. R. Barlow ..	Britannia House, Fountain Street, Manchester, 2.
Scotland	Mr. A. G. M. Grassick	21 Glassford Street, Glasgow, C.1.

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VOL. CXLIV NOVEMBER 24, 1945 NO. 3433

Plans to Meet an Epidemic

ALTHOUGH it is officially announced that infectious disease has shown no tendency so far this winter to assume epidemic proportions, arrangements are nevertheless in hand to meet such a contingency should it arise, especially during the later months of the season. One consequence of an epidemic such as influenza would be a sharp increase in the number of prescriptions presented to already overburdened chemists for immediate attention. That raises a problem to which the president of the Pharmaceutical Society has recently drawn attention (*C. & D.*, October 20, p. 416), namely the possibility that "the people will be unable to get the medicine that is prescribed for them . . ." The Ministry of Health, as the Department concerned with epidemic control, has outlined a scheme for rendering assistance to the public in the event of widespread illness this winter, principally by arranging for help in the home and the provision of meals.

Belated Effort

In a belated effort to ensure an adequate supply of medicines, the Ministry has also, as part of the general plan, obtained War Office agreement to the "loan" of a number of R.A.M.C. "other ranks" who are pharmacists. Presumably some hope is entertained in official quarters that this curiously conceived arrangement will solve the man-power

problems of pharmacy at a time of crisis. It must be assumed that the condition "as the requirements of their duties permit" will govern the temporary release by the Army authorities of available Service pharmaceutical personnel. As an epidemic of influenza is hardly likely to by-pass the Army, it may well be that the military pharmacists will be fully occupied with their own sick—unless, of course, they are engaged in other duties than those for which they were specially trained. The method of applying for pharmaceutical assistance is, according to a circular sent by the Ministry of Health to local authorities, being explained to the persons concerned.

"Guidance" to be Given

At the time of writing, however, it must be said that no general information had been released on this point, although it is understood that in due course a "guidance note" will be issued by the Central Pharmaceutical War Committee. An approach that may be considered likely is that a chemist in need of assistance will apply in the first instance to his local pharmaceutical war committee, which will put in motion the necessary arrangements for the temporary allocation of a Service pharmacist. As explained by the president of the Society, more than 300 pharmacists are needed to fill existing vacancies in civilian pharmacy, and many more will be required to cope with a sizeable epidemic, should this occur. Whether or not the projected machinery, in the circumstances, will be adequate, or will function with sufficient speed to overtake the emergency, remains to be seen. It may be asserted, however, that unless additional qualified help is supplied without delay at the onset, the scheme will be of no practical value, either to the public or the pharmacist. It needs but little imagination to picture the delays that may occur when the hard-pressed civilian pharmacist contacts the local pharmaceutical war committee, the committee communicates with the military authorities, they in turn get in touch with the pharmacist's unit, and the man himself completes the tasks he is engaged upon and goes through the necessary formalities before setting out to find the pharmacist he has to help.

More Paper for Trade

WEEK by week THE CHEMIST AND DRUGGIST has included a reminder of the necessity for conserving paper. Strict economy remains essential if available supplies are to suffice, but the authorities have found it possible to relax certain restrictions on advertising circulars, diaries and calendars, photographs and photographic mounts, and to allow wrapping paper to be used—if it can be found—for goods sold by retail. The relaxations result from the issue of a Control of Paper (No. 70) (Economy) Order, 1945 (S. R. & O., 1945, No. 1431), which came into force on November 19.

The Order, an important part of which is concerned with supplies for newspapers, permits gratuitous distribution of advertising circulars, relating to the sale of goods, up to 20 per cent. of the weight of such circulars distributed in the pre-war year, or one cwt. in three consecutive calendar months, whichever is the greater. Advertising circulars may be freely exported as before, but restrictions on posters, showcards, etc., except for export, are retained. The Order also permits production of paper handkerchiefs and similar articles.

Staffing the Hospitals

"THE notion of hospital work as devoted endurance of discomfort in a good cause is, of course, entirely out of date." We are quoting from a pamphlet issued by the Ministry of Health entitled "Staffing the Hospitals" as a part of its recruiting campaign to secure a minimum of 30,000 more nurses and midwives, most of them urgently required for service in hospitals and institutions. The pamphlet reviews and condemns in a frank manner the causes of the acute shortage of trained nurses and puts forward a series of recommendations for drastic improvements in conditions of service, all of which have been agreed to by the hospital authorities and the nursing profession.

The small increases in maximum salaries recommended for qualified nursing sisters and staff nurses are not nearly so important as the promised improvements in feeding arrangements and accommodation. Similar

improvements are indicated in the conditions of service of hospital domestic staffs, where, we believe, staff shortage has been even more acute than in trained personnel. There is no mention of proposals for improved service conditions for pharmacists employed in hospitals, but we assume they will benefit in the general reorganisation.

Conditions for Student Nurses

The success or failure of the Ministry's recruiting campaign will depend almost entirely on whether the promised improvements in conditions of service will attract young women of the right type and standard of education to take up nursing. It is, therefore, surprising that it has been decided there shall be no increase in the scale of salaries for student nurses, which at present range from £40 per annum in the first year to £50 in the third year. The title student nurse is something of a misnomer. It is our experience that from the start of their service they have to work in the wards with and under the qualified staff. Their studies, lectures and preparation for periodical examinations have to be done in their off-duty times, often late at night. The educational standard of applicants must at least be that of the school-leaving certificate, and some hospitals favour matriculation. Only those women who are prepared to dedicate their lives to nursing and who have private means are likely to be attracted by a salary of £40 per year; the majority will, we are afraid, very reasonably look elsewhere in the labour market for something offering reasonable amenities.

The standard textbooks on various types of nursing, medicine, materia medica, sanitation, hygiene, etc., which student nurses require for their studies are in almost every instance unprocureable today. The well-known publishers of these books report they are sold out, and new editions will not be available for some months. There are none to be had at the second-hand book-sellers. We venture to suggest to the Ministry of Health that one of the reasons for the unusual percentage of failures in the intermediate and final examinations of recent times has been the lack of these textbooks. It is an important point into which the Ministry might usefully look.

HEALING AND BELIEFS

Abstract of an Address given recently before an Evening Meeting of the North British Branch of the Pharmaceutical Society

THE opening meeting of the session of the North British Branch of the Pharmaceutical Society was held at 36 York Place, Edinburgh, on November 9, Mr. John Anderson (chairman of the Executive) presiding. THE CHAIRMAN said he was sure that they all, like himself, had been looking forward to the inaugural sessional address, part of an unbroken series of evening scientific meetings. They met under very much happier conditions than existed a year earlier, though they still awaited the return of pharmacists from the Services. The chairman referred with regret to the passing of Dr. J. F. Tocher, Aberdeen, who was, he said, perhaps not so well known to the younger generation, though there were many in the hall who would remember him. For many years he had been a member of the board of examiners for Scotland. Recently the Aberdeen Association had instituted the Tocher Memorial medal, and a few weeks ago Mr. Linstead had come North to make the first presentation. Dr. Tocher's death would be a serious loss to Scottish pharmacy.

THE CHAIRMAN then introduced the lecturer, Professor Noah Morris, M.D. (Regius Professor of materia medica and therapeutics, University of Glasgow), who gave his address on "Therapeutics throughout the Ages," of which the following is an abstract.

Changing Systems of Treatment

The art of healing is dependent on man's beliefs and knowledge. Changing systems and practices of therapeutics result from struggles between the beliefs with which man enters life and the changes that occur in his environment. During the past century new and powerful methods have been developed for the conquest of disease, as a result of technical advances and the adoption of the scientific attitude. It would be true to say that the history of therapeutics mirrors religions and philosophies. In ancient days the forces responsible for disease were believed to be angered gods and evil spirits. As a result, people quite rationally protected themselves by some form of spiritual antisepsis. In this way, however, some valuable remedies may have been introduced. Thus, in Peru, the evil spirit responsible for malaria by his punctual diurnal visits must have been

discouraged by the bitter taste of cinchona, which some ingenious demonologist had tried. In the ancient civilisations drugs were frequently employed, but it seems fairly certain that these were but the adjuncts of an all-important ritual.

Drug-making and drug-taking extend back to the dawn of history. The Ebers papyrus, an official pharmacopœia of ancient Egypt, contains an account of 700 remedies. In ancient Judæa, priests and physicians were apparently in competition. Even the Hebrew prophets were not above using drugs, and Isaiah treated a royal carbuncle by a preparation of figs. Professional pharmacists are mentioned in the book of Exodus, and Nehemiah describes one, Hananiah, as the son of the apothecary. In the Chinese view the phenomena of health and disease were related to the universe as a whole and represented states of balance and imbalance of the living forces. Indeed the progress of medicine was retarded by too catholic a view of disease. Attempts were made to neutralise evil influences by the help of friendly demons and to promote the beneficent forces by encouraging friendly spirits. Apart from the demonological background this is not very different from modern therapeutic practice. The Emperor Shên Nung, so far back as the third millennium B.C., set about the foundations of a pharmacopœia by testing the effects of numerous herbs. The "Blazing Emperor" might justifiably be canonised as the patron saint of clinical pharmacology, since he had the good fortune to be born with a transparent stomach that enabled him to see the action of the various drugs. Chang Chung-Ching, often called the Hippocrates of China, wrote a textbook with some four hundred methods of treatment and more than 100 prescriptions, containing but a few potent drugs and none of the "blunderbuss" variety.

Contribution of Greece

As in so many other human activities, the first great contribution to therapeutics was made by the Greeks. The Hippocratic school of Cos formulated the view that has revolutionised medical science, viz., that disease is a natural process and that there is a natural tendency for the diseased individual to recover (*vis medicatrix*

naturæ). In one of the Hippocratic tracts on prognosis, the good physician is defined as one who knows in advance the previous history, the present state and the future course (in other words, what can be called the life history of the disease) because with this knowledge he is best able to effect a cure when that is possible. The Greeks emancipated themselves from the domination of the demons, and proceeded to discuss the manifestations of disease as the results of natural causes. This view took long to exert its full effect.

The decline of the Grecian states, and the rise of Rome as a world power, witnessed the development of the Alexandrian school of medicine, whose greatest exponent was Galen, physician to Marcus Aurelius. Galen believed that, in the sick person, one or other of the forces of the body was too strong or too weak. The most important of these forces he considered to be the expelling power, which in health produces the normal excretions, and which in disease gets rid of the "*materies morbi*." Accordingly, the first care of the physician must be to encourage evacuation: a view of treatment which is still common. Belief in the virtue of compounding large numbers of medicinal substances had grown in the previous six centuries, in the main as a result of increased commerce with Africa and the East. Though Galen vehemently protested against basing treatment on theories as to the constitution of the world and man, he left medicine rich with hypotheses that soon became dogmas.

Effect of Christianity

With the advent of Christianity the body yielded pride of place to the soul. It was natural that cures were to be effected by spiritual means, and in early Christian society there was little room for the physician. Many centuries were to elapse before humanity began to realise the necessity for synthesising the Hippocratic and Christian concepts of the healing art. During the Dark Ages, the ground won by the Greeks was in large part lost, and therapeutics once again descended into the morass of magic. Astrology became a keystone in the arch of therapeutics.

The mediæval epoch was the age of the great Arab school, which obtained much of its knowledge from the Nestorian Christians and the Jews, and which dominated therapeutics for nearly seven hundred years. Their enthusiasm for chemistry led them to make use of minerals, particularly mercury, antimony and iron, as well

as the galenicals and the organs and excreta of animals. They developed the art of the apothecary and devised such pharmaceutical preparations as syrups, juleps, alcohol and tragacanth. Camphor, senna and sandalwood, drugs still in use, were introduced. Crude attempts at inhalation anæsthesia are also recorded: a sponge steeped in soporific and aromatic fluids was dried and, when required, was moistened and applied to the mouth and nostrils. Above all, the Arabs were responsible for initiating the humane treatment of the insane. Arabian medicine gradually filtered into Europe. In the Middle Ages, besides innumerable plants and crude minerals, various animal organs and excreta, such as human urine, sweat and saliva, cow dung and ants' eggs, were in great demand. Every town of importance had its own special mixture of drugs called "*Theriacum*." The Nuremberg *theriacum* contained seventy-two ingredients, and its preparation required three months. When it was ready for use, the senate of the city declared a public holiday.

Rise of the Scientific Spirit

With the advent of the Renaissance the scientific spirit once again appeared. A long time was to elapse, and perhaps has still to elapse, before the world of medicine separated the chaff from the grain. Paracelsus led the revolt against the dogmatism of the medical schools and stimulated enthusiasm for the practical study of chemistry. He must also be credited with letting loose a flood of transcendental medicine. Paracelsus turned alchemy from the transmutation of metals to the fight against disease. He was an enthusiastic advocate of the use of preparations of iron and antimony. Indeed, he may justly be considered the first of the chemist-physicians.

The seventeenth and eighteenth centuries saw the full blossoming of various systems of medicine which exerted powerful, if transient, influences on the art of healing. Iatromechanics, iatrochemistry, humoralism, animism and vitalism all had their adherents, and all contained within them elements of truth. At this period, the language of superstition became chemical instead of religious. Another doctrine, which is periodically resurrected, was that the ultimate cause of most human ills is faecal impaction, with the resultant popularisation of purge, enema and colonic douche, so beloved of spa treatment. Also worth mentioning is the animistic view promul-

gated by Georg Ernst Stahl, that disease is a disturbance of the vital functions, caused by misdirected activities of the soul: a hypothesis which appears to foreshadow the work of some modern psychologists. Hypotheses, perhaps based on modifications of these doctrines, have, in the nineteenth and twentieth centuries, stimulated workers to open up vast new fields in the biological science. The revolt against systems, which in a living society always occurs when theories are stifling instead of stimulating inquiry, was led by Sydenham in England. He patiently studied the life history of disease as manifested in symptoms and signs, and response of the patient to treatment. He classified symptoms of fundamental importance into (1) those resulting from the action of the "materies morbi," (2) those from the reaction of the "vis medicatrix" and (3) those induced by the treatment. In digitalis and vaccination, we perceive the first fruits of the observational experimental line of attack. The nineteenth century witnessed solid advances in science on a wide front. The discovery of the alkaloids (*Sertürner*), and the synthesis of carbon compounds, are responsible for developments in the healing art which are not yet completed. The increased understanding and control of physical processes, particularly the radiations, was followed by the intelligent if, at times, over-enthusiastic employment of x-ray and radium therapy. The desire to heal was once the chief stimulus of human curiosity. Now, therapeutics is reaping the reward a thousand-fold. Not merely is it interested in the paths traced out by the individual sciences, but, above all, it is anxious to integrate the facts clarified by all. With the advent of increasing knowledge of the life history of disease, and the advent of such potent remedies as the sulphonamides, diphtheria antitoxin and liver extract, therapeutics is emancipating itself from the definition that it is "the art or science of amusing a sick man with frivolous speculations about his disorders, and of tempering ingeniously, until nature either kills or cures him."

Danger of Theorising

Imagination is important for the scientific investigator, as for the artist. The real danger of theorising lies in the temptation to go far beyond the facts. Modern medicine is still cumbered with the inheritance of countless generations. This is largely responsible for the persistence and indeed the thriving of quackery. And we must

sorrowfully admit that there are still many diseases which the scientific physician cannot cure. Self-medication has always been popular, and often is quite successful when limited in extent. There is, however, considerable danger associated with it, and this is likely to be increased by the alluring advertisements of various medicines with their descriptions of symptomatology that lead to hypochondriasis and disease-phobia. The practice of therapeutics has two aspects: communal and individual. The General Medical Council, acting for the community, is responsible for maintaining an adequate standard in the final examinations of the medical licensing bodies and the standardisation of drugs in the British Pharmacopoeia. The medical schools are continually attempting to improve and disseminate the knowledge of therapeutic techniques, so that they may be easily and safely used by doctors.

"Jet-propelled" Trip Through the Ages

THE CHAIRMAN said Professor Morris had taken them on what he might call a "jet-propelled" trip right through the therapeutic ages. Even if the voyage had been a swift one they had not missed much on the journey; he had touched on all the important changes that had occurred.

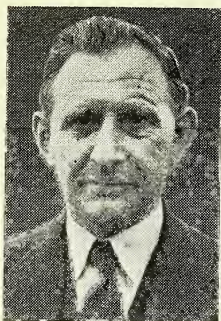
DR. DOUGLAS GUTHRIE, in proposing a vote of thanks, thought Professor Morris had acted wisely in approaching his subject from the historical standpoint, because only by an understanding of the past could one understand the present and build for the future. This was essential, not only in science and medicine, but also in pharmacy. The days were past when the patient asked the doctor for "a bottle"—nowadays he asked straight out for penicillin and sulphonamide! MR. BEATTIE, seconding, said that in these days, when they were inclined to think that only now was progress being made, it was well to stop and consider what had been done in the past.

PROFESSOR GADDUM said he much admired the energetic eloquence with which Professor Morris had covered such a large field. Expecting to hear something of the history of therapeutics, he had heard a great many other things as well, including the philosophy of therapeutics.

Waste Paper in Peace-time.—Even in peace-time waste paper is one of the principal raw materials of the board industry, which uses about 75 per cent. of all the waste paper salvaged.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast on November 16,



MR. JAMES McDOWELL, M.P.S.N.I., this year's president of the Pharmaceutical Society of Northern Ireland. A note on Mr. McDowell's career appeared in the C. & D., November 3, p. 449.

the president (Mr. James McDowell) in the chair. Those present were Messrs. J. McGregor, J. W. Gray, J. P., James Glendinning, J. T. Nicholl, H. H. Cowzer, H. F. Moore, F. R. Moore, J. F. Grimes, J. P., Charles Abernethy, W. C. Tate, Dr. S. E. Acheson, and Professor E. B. C. Mayrs, M.D. Mr. D. L. Kirkpatrick (secretary) was in attendance.

MR. McDOWELL moved a vote of

thanks to the outgoing president (Mr. Charles Abernethy), which was seconded by MR. TATE, who said all had admired the businesslike manner in which Mr. Abernethy had conducted their affairs; members had felt pleasure in sitting under him. The motion was supported by MR. GLENDINNING and cordially endorsed. MR. ABERNETHY, in reply, said he had had a very loyal crew and a far-seeing and hard-working secretary.

THE SECRETARY reported that, after the issue of a final notice, only one druggist and two pharmaceutical chemists had not paid their retention fees. One of these had been a life member, but such membership was forfeited under the new Act, and he must pay to keep his name on the register.

Educational Arrangements

The principal of the Belfast College of Technology wrote agreeing to the use of the College for the forthcoming examinations, and stating that it was proposed to hold another post-graduate course for pharmacists on similar lines to one held in the previous year. THE PRESIDENT added that the course would start in February 1946, and Messrs. Abernethy, H. Moore, Cowzer, Nicholl and Forrest were appointed to attend the examinations.

MR. GLENDINNING drew attention to a complaint that the Technical College in Londonderry had not a teacher in zoology.

MR. KIRKPATRICK, in reply, thought such a teacher would be found, and suggested that students should go on with their other courses meanwhile.

On the motion of MR. MCGREGOR, seconded by MR. ABERNETHY, it was agreed that an honorarium of £100 be given as a mark of the Council's appreciation of faithful services rendered during the previous ten years by the house steward (Mr. John Gilchrist) upon retirement.

It was decided to hold the next meeting at 10.45 a.m. on December 14.

A discussion then took place on Regulation 55A of the proposed new Regulations. The Council heard the views of MESSRS. R. G. RONALDSON and J. N. PATTERSON (Home Office) and MR. L. ARUNDELL (Ministry of Education). The Regulation deals with the time to be spent by apprentices in shops and on studies. After a lengthy exchange of views an agreement was reached, and the Ministry officials thanked.

Northern Ireland Apprentices

At the October meeting of the Council it was agreed that certificates of apprentice to a pharmaceutical chemist should be granted to the following:—

Senior Certificate Examination, Ministry of Education, N.I., Chambers, Norman V. C., Lisburn; Costley, Ian Eric, Coalisland; Gault, Joyce Tatchell, Belfast; Gillan, Arthur Brendan, Ballymoney; Hale, John Charles, Saintfield; Honan, John James, Belfast; Hughes, Mary Monica, Clogher; Jackson, Frances Jane, Carryduff; Kernohan, Samuel Maxwell, Belfast; Marshall, James I. V., Saintfield; Meegan, James Joseph, Londonderry; Millar, Herbert Douglas, Londonderry; McAdoo, Leslie, Holden, Ballyclare; McAlinden, Denis Newry; McGlaughlin, Gordon Walker, Cookstown; McIlroy, Anna Mary, Belfast; McNeilly, Ian Fleming, Newtownards; O'Reilly, Kevin, Dromore, co. Tyrone; Quail, Patrick Joseph, Strangford; Rankin, James Frederick, Belfast; Rea, Elizabeth Lorna, Glarryford; Robinson, Norma Margaret, Lisburn; Rodgers, James Allen, Newtownards; and Wightman, Edward Raymond, Belfast. *Matriculation Examination, Queen's University, Belfast, Gorman, William P. J., Londonderry. Pharmaceutical Preliminary Examination, Q.U.B., Cunningham, Mary Winifred, Kilkeel; Dillon, Robert George, Poyntzpass; Wilson, James Lurgan. Matriculation Examination, London University, Armstrong, George Mark, Magherafelt; Mullan, Bernard Anthony, Garvagh. Matriculation Examination, National University of Ireland, Darmody, James Aloysius, Fahan; McGovern, Clare Ethna, Enniskillen. Leaving Certificate Examination, Government of Eire, Colhoun, Violet Patricia, Ederney.*

CORRESPONDENCE

Wasted Pharmacists

SIR,—From your note on Mr. J. C. Young's letter to "The Times" (*C. & D.*, September 29, p. 32), the staff situation in pharmacy in England is shown to be very serious, as I know it is, even to the possibility of people dying through lack of adequate dispensing services. But is it not rather late in the day to start crying? The Pharmaceutical Society having, more or less willingly, given up 4,471 of its total membership of 25,285 into the Services, without even insisting that they should be used as pharmacists, its members are now paying the penalty for earlier weakness. My own position is typical. I am nearly forty years of age and have had nearly twenty years' continuous dispensing experience. Although the war has been over now for three months, I am still in India, with nothing to do but sit at a desk doing odd jobs, such as amending Service orders which, in most cases, are already out of date. I have done no other work since I came out here last February.

Yours faithfully,

H. PROCTER SMITH, M.P.S.

S.E.A.A.F., India.

Origin of Easton's Syrup

SIR,—In your issue of August 4 (p. 130) a letter appeared from Mr. Andrew Johnston touching upon the original maker of Easton's syrup. The writer is hardly correct. Easton's syrup was first made by a Glasgow pharmacist, John Hunter. "Johnnie" Hunter, as he was familiarly known, was the secretary of the local masters' association and was often chaffed for his lack of foresight in not inducing Dr. Easton to colour the preparation. He fell into consumption comparatively young and went to South America, where he died some years later. McMillan came out of Hunter's and had probably a full working knowledge of the formula. My employer was long local secretary of the Pharmaceutical Society of Great Britain, and one of his duties was to collect the Society's subscriptions and plead for the Benevolent Fund. He found it took too much time so, as his deputy, I called upon members for many years. This brought me into touch with most Glasgow chemists. My recollection of the trade goes back sixty-three years, when the circle of pharmacists was small and all knew each other.

Yours faithfully,

Sydney, N.S.W.

A. McKELLARS.

COMING EVENTS

Tuesday, November 27

CROSBY PHARMACISTS' ASSOCIATION, Waterloo House, 7 Crosby Road South, Waterloo, at 7.45 p.m. Meeting.

AGRICULTURE GROUP, SOCIETY OF CHEMICAL INDUSTRY, Physics lecture theatre, Royal College of Science, Imperial Institute Road, London, S.W.7, at 2.30 p.m. Mr. D. F. Clayton on "The Chemistry of Composts."

SCARBOROUGH BRANCH, PHARMACEUTICAL SOCIETY, Lecture room, Public Library, Vernon Road, Scarborough, at 7.30 p.m. Dr. G. R. Boyes, Ph.C., on "The Pharmacy and Use of Penicillin."

Wednesday, November 28

WESTERN (LONDON) PHARMACISTS' ASSOCIATION and BRANCH, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Messrs. T. F. West, Ph.D., and G. A. Campbell on "The Story of DDT, 1945" (illustrated).

BIRMINGHAM PHARMACEUTICAL ASSOCIATION and BRANCH, Botanical Gardens, Edgbaston, 7 p.m. till midnight. Dance. Ticket, 5s.

SOCIETY OF PUBLIC ANALYSTS AND OTHER ANALYTICAL CHEMISTS (Physical Methods Group), Chemical Society's Rooms, Burlington House, Piccadilly, at 6 p.m. Annual meeting. The business will be followed at 6.30 p.m. by a meeting open to non-members.

Thursday, November 29

BATH BRANCH, PHARMACEUTICAL SOCIETY, Drawing room, Pump Room, Bath, 7-11 p.m. Social evening.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Dr. W. A. Bain, B.Sc., on "Some Aspects of Modern Pharmacology."

NOTTINGHAM BRANCH, CHEMICAL SOCIETY, Chemistry lecture theatre, University College, Nottingham, at 4 p.m. Professor W. Wardlaw, D.Sc., on "Structural Inorganic Chemistry."

CHADWICK PUBLIC LECTURE, The Sir Edward Meyerstein lecture theatre, Westminster Hospital Medical School, 17 Horseferry Road, Westminster, London, S.W.1, at 2.30 p.m. Dr. Archibald M. Gray, on "Some Social Aspects of Industrial Dermatitis."

ASSOCIATION FOR SCIENTIFIC PHOTOGRAPHY, Alliance Hall, Westminster, London, S.W.1, at 6.30 p.m. Mr. A. G. Sabin, M.Sc., on "Some Notes on Illumination in Photomicrography."

Sunday, December 2

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Marple, Kettleshulme and Poynton. Meet London Road Station, 9.40 a.m. Book Marple return.

OVERSEAS TRADE NEWS

U.S. Removes More Import Controls.—United States import controls have been removed on neatsfoot oil, rapeseed, sesame oil and sesame seed.

Canadian Antifreeze Preparations.—It is no longer necessary for Canadian manufacturers of antifreeze preparations to disclose the chief ingredient on labels.

Rubber for France.—The first shipment of 30,000 tons of rubber will shortly leave Saigon for France, Paris radio, quoted by Reuter, announced on November 9.

Brazilian Sulphur Imports.—Brazil imported sulphur from the United States to the value of 32,585,000 cruzeiros in 1944, against 16,340,000 cruzeiros' worth in 1943.

Sicilian Essential Oils Exported.—Sicilian exports to the Allied Nations during the second quarter of 1945 included 500 quintals of bergamot and 797 quintals of lemon oils.

French Oilseed Production.—French oilseed production in 1945 amounts to only 600,000 quintals against 1,637,000 in 1944. The lower output is due partly to a decrease in the area under oilseeds and partly to a lower yield per hectare.

Nicaraguan Drugs for Europe.—Exports to Britain of crude drugs to the value of \$30,000 are reported from Nicaragua. The shipment is one of the largest on record. Exporters are reported to be receiving higher prices from Europe than from the United States.

Chloride of Lime for Europe.—A quantity of 250,000 lb. of chloride of lime has been sold by the War Assets Corporation of Canada to the Canadian Red Cross for shipment to Europe for use in cleaning up some of the unsavoury spots left as legacies of the recent conflict.

Canadian Perfumery Imports.—Canadian imports of perfumery, cosmetics and toilet preparations during the first seven months of 1945 were valued at \$243,000 (Canadian dollars), a considerable increase over the value of imports of these commodities in the corresponding period of 1944. Imports of soap during the same period were valued at \$97,000.

U.S. Civilian Production.—The United States War Production Board, which guided American industry through the war years and started it back on the road to peacetime production, wound up its affairs on November 2. On that date the task of supervising the nation's industrial change

over to civilian production was taken over by the Civilian Production Administration.

Canadian Import Trade.—During August imports into Canada (values in thousands of dollars, corresponding figures for the same month of the previous year in brackets) included: Spices, 57 (19); gums and resins, 243 (216); acids, 185 (291); drugs and medicines, 854 (656); inorganic chemicals, 732 (1,109). Total imports were 128,134 (157,324).

Salicylates Control Relaxed.—All Chemicals Control restrictions over the distribution of salicylates have been revoked in Canada, it has been announced by the Minister of Reconstruction and Supply. Under an order which came into force in March 1943, importers of acetylsalicylic acid, salicylic acid, sodium salicylate and methyl salicylate in all forms were previously required to obtain a Chemicals Control permit before making sales.

Increase in U.S. New Businesses.—Establishment of new businesses in the United States increased notably during the first three months of 1945. About 130,000 new firms entered business, with less than 50,000 discontinuances during the first quarter. An upward trend started in 1944, after a two-year decline. The majority of concerns which entered business during 1944 and first quarter of 1945 were in the retail and service trades.

Ceylon Export Trade.—During 1944 exports, in rupees, of leading commodities from Ceylon included the following (1943 figures in brackets): Rubber, 222,791,439 (169,026,708); coconut oil, 19,509,112 (21,048,557); cinnamon bark, 7,395,534 (4,052,557); areca nuts (whole), 4,352,276 (11,270,821); oil of citronella, 2,888,778 (2,755,165). The United States received goods from Ceylon during 1944 to the value of Rs. 215,806,164, against a value of Rs. 177,006,010 sent to the United Kingdom.

Swiss Chemical Industry.—Exports of dyes from Switzerland declined sharply during the war, and most Swiss chemical manufacturers developed other items, notably pharmaceutical products, vitamins and insecticides. A new hormone preparation is claimed by the Ciba organisation, together with a drug to control blood pressure, while important research on vitamins has been done by the Hoffmann-La Roche concern. An account of the researches leading to the widespread use of DDT has already appeared in the *C. & D.*

TRADE REPORT

ot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include exceptional marine risk insurance and other abnormal charges payable under present conditions

Essex Street, W.C.2, November 21

London markets have been fairly active during the week, and the general tone is rather better. Inquiry has been plentiful, but business in many instances remains difficult to negotiate, although prices, on the whole, are unchanged except for a few minor movements, mostly in an upward direction. Demand for PHARMACEUTICAL CHEMICALS has been routine in character, and prices are generally steady. The new schedule of prices for BISMUTH salts, following an advance recorded last week, is given below. The schedule includes additional increases similar to others made recently on account of higher packaging charges.

Crude Drugs

A good deal of inquiry is reported in the CRUDE DRUGS section, together with a considerable amount of export business. Orders of small quantities of CAPE ALOES are being received; CURAÇAO is also being ordered, but no licences are available at present. ANTIMONY is wanted, but supplies are not equal to demand. New arrivals of ARECA NUTS are awaited. CHILLIES is at a higher price. Firm conditions obtain for CINNAMOON, which is at the higher price recorded last week. COLOCYNTH is steady on spot at unchanged prices. Stocks of Elettaria are small, and the price is consequently showing a tendency to advance. GUAIACUM is firm but unchanged. Indian MAJUN is again dearer on spot. A good deal of interest centres around MENTHOL. Licences have now been issued for further importations from Brazil, and supplies should arrive early next year. Prices, however, will be lower than those ruling for spot goods. PIMENTO is firm and fractionally dearer on spot. No changes have occurred in prices or the supply position of SEEDS. TURMERIC is in good demand, and considerably higher prices are being asked. CARNAUBA and OURICURI WAXES are dearer.

Essential Oils

Changes have been announced in the prices of ESSENTIAL OILS imported under the special scheme. Offers of dementholised PEPPERMINT are again reported from Brazil, it is understood that licences are being applied for at present for re-export only.

U.S. Drug Market Report

New York, November 16

EXCEPTIONS to the tight conditions which generally prevail in the CHEMICALS markets are among FINE CHEMICALS, where a firm trend is evident. Stocks of GLYCERIN have been decreasing by two million pounds monthly, with no signs of a decline in demand. Fairly good stocks of MENTHOL are on hand, but no great activity is shown at present, and similar conditions are likely to prevail throughout the rest of the year. The price of MERCURY has been maintained at \$107 to \$109 a flask, with a good export demand due to higher cost of the Spanish product. There is a good demand for CAUSTIC SODA, both at home and abroad. Tightness in heavy chemicals is further evidenced by a strong demand for NICKEL SALTS, considerable supplies of which have been received from Great Britain. A virtual standstill in the agricultural demand for COPPER SULPHATE is counterbalanced by moderate requirements in industry and for export to the Near East.

The high prices which have recently been demanded by manufacturers of DDT are causing consumers to turn to cheaper insecticides. Stocks of SULPHUR have been diminishing throughout the year, with a slight recovery in August supplies. Production in Sicily is estimated at 50,000 tons for the year, against the 250,000 tons averaged in pre-war years. Similar conditions generally among ESSENTIAL OILS were featured by an advance in the price of natural PEPPERMINT OILS from 10 c. to 25 c. per lb. Production this year is estimated at 1,609,000 lb., against 1,226,000 lb. last year, and the strength of the market is attributed to the failure of supplies to arrive, and strong demands from abroad. Spain exported 13,261 lb. of red and white THYME to America during the first nine months of the year, and a good quantity of Italian LEMON OIL is expected. Sellers have been slow to reflect the removal of administration price controls on BOTANICAL DRUGS. DANDELION and BURDOCK ROOTS are in extremely short supply, and little relief is expected until exports from Europe arrive. There is a fair supply of ARECA NUTS, which are quoted slightly lower at 20 to 22 c. per lb.

Pharmaceutical Chemicals

BIARIUM SULPHATE, B.P. (x-RAY).—Home market prices per lb., in lots of 28 lb.—1 cwt., are as follows (containers in brackets): 1s. 6d. (1-lb.); 1s. 4½d. (4-lb.); 1s. 3½d. (7-lb.); 1s. 3d. (14-lb.); 1s. 2d. (28-lb.).

BISMUTH CARBONATE.—As noted last week (p. 535) prices of BISMUTH SALTS were increased by 6d. per lb. as from November 7. The new home-market schedule per lb. for CARBONATE is as follows:—

Quantities in one delivery	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	
1 lb.—4 lb.	s. d.	s. d.	s. d.	s. d.	s. d.	
12 8½	12 2½	—	—	—	—	
4 lb.—7 lb.	11 10	11 9	11 8½	—	—	
7 lb.—14 lb.	11 5	11 4	11 3½	11 2½	—	
14 lb.—28 lb.	11 2½	11 1½	11 1	11 0	10 11½	

CITRATE, 2s. per lb. above; SALICYLATE, 6d. per lb. above; SUBGALLATE, 4s. 3d. per lb. above; SUBNITRATE, 1s. 2d. per lb. below.

BORAX.—Current rates per ton are as follows: B.P. quality, granulated, £38; crystal, £39; powder, £39 10s. Commercial grades, £8 per ton less. Packed in one-cwt. bags, delivered, carriage paid in Great Britain in one-ton lots and upwards.

CITRATES.—Prices per lb. current in the home market for POTASSIUM CITRATE, B.P., are as follows:—

Containers	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	3 11½	—	—	—	—
4 lb.—7 lb.	3 10½	3 9	—	—	—
7 lb.—14 lb.	3 9½	3 8	3 7	—	—
14 lb.—28 lb.	3 8½	3 7	3 6	3 5½	—
28 lb.—112 lb.	3 7½	3 6	3 5	3 4½	3 3½

Price net one month. 1 lb. and 4 lb., in bottles or tins; 7 lb. and 14 lb., in bottles, tins or jars; 28 lb., in tins. FERRI ET AMMON. CIT., B.P., 2d. per lb. above; SODIUM, B.P., 3d. per lb. below; POWDER, 1d. per lb. extra.

CREAM OF TARTAR.—A new price schedule under the Order amending the Tartaric Acid and Cream of Tartar (Control and Maximum Prices) Order, 1944, was given in the *C. & D.*, October 27, p. 441.

DEXTROSE, B.P.—Prices per lb. current in the home market for bulk supplies are as follows: 14 lb.—28 lb., in 14-lb. lots, 1s. 0½d.; 28 lb.—112 lb., in 14-lb. lots, 1s.; in 28-lb. lots, 11d.

ETHYLMORPHINE.—Small quantities are quoted per oz. by makers as follows: BASE.—½ oz., 61s. 6d.; 1 oz., 59s.; 2 oz., 57s. 6d.; 3 oz., 56s. 9d.; 4 oz., 56s. 6d. HYDROCHLORIDE.—½ oz., 53s.; 1 oz., 50s. 6d.; 2 oz., 49s.; 3 oz., 48s. 3d.; 4 oz., 48s.

GLUCOSE.—Home trade prices per lb. for powdered monohydrate are as follows: 14 lb.—

28 lb., in 14-lb. lots, 11½d.; 28 lb.—112 lb., 14-lb. lots, 11½d.; in 28-lb. lots, 10½d.

MANDELIC ACID.—Current rates are follows: 1 lb., 22s. per lb.; 4 lb., 20s. 3d. 7 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

METHYL SALICYLATE.—Continues in good demand at unchanged prices. Smalls, 2s. 6d. per lb.; winchesters, 2s. 1½d.; 56 lb., in demijohns, 2s.; 1 cwt., in demijohns or carboys 1s. 11½d.; 5 cwt., 1s. 11d. All prices net.

POTASSIUM PERMANGANATE.—Current rates are as follows: B.P. (in 1-cwt. drums), 1 cwt. and over, 1s. 8½d. per lb.; 3 cwt. and over 1s. 8d. TECHNICAL (in 1-cwt. drums), 1 cwt. and over, 166s. 3d. per cwt.; 3 cwt. and over 161s. 9d.; 5 cwt. and over, 159s. 3d.; 1 t. and over, 156s. 9d.; 4 tons and over, 154s. TECHNICAL (in 5-cwt. drums), 5 cwt. and over 156s. 9d. per cwt.; 1 ton and over, 154s. 3d. 4 tons and over, 152s. Terms quoted are net carriage paid station, containers extra and returnable.

TERPINEOL.—Pure medicinal quality is available at from 3s. 3d. to 4s. per lb. for use antiseptics of the chloroxylenol type.

VANILLIN.—The agreed prices are unchanged as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d. 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

ALOE.—As noted last week (p. 525), offers small quantities of Cape are coming also Offers of Curaçao are reported at 300s. per cwt. c.i.f., but no licences are available.

ANTIMONY.—Demand for the metal is maintained, with prices unchanged. English minimum 99 per cent. regulus, £112 10s. per t. delivered; 70 per cent. crude, for the home trade, £90. United Kingdom consumption of forms totalled 1,284 tons in the third quarter 1945, compared with 1,348 tons in the previous three months.

ARECA NUTS.—Spot supplies seem to be exhausted.

BALSAMS.—Small supplies of Canada on sale are priced at 13s. 6d. to 14s. per lb.; Peru steady at 8s. per lb.; Tolu and Copaiba unobtainable.

BELLADONNA.—English herb continues to be quoted at 4s. 6d. per lb.; Indian root, 0.25 cent., 2s. 3d. per lb.

BISMUTH.—Minimum 5-cwt. quantities of metal are priced at 6s. 3d. per lb. Business steady.

BUCHU LEAVES.—Spot supplies are small, price is from 5s. 3d. to 5s. 6d. per lb.

CHAULMOOGRA.—*Hydnocarpus*, spot, 2s. lb., in tins in cases.

CHILLIES.—From 120s. to 130s. per cwt. would be required for any available supply according to seller.

CINNAMON CHIPS.—Spot quotations are changed at 2s. 2d. per lb., ex store.

CLOVES.—Firm at last week's price of 1s.

er lb., spot, London; to arrive, November-
cember, 9½d. per lb., c.i.f.

COCHINEAL.—Spot price of silvers is un-
changed at 5s. 9d. per lb.

COCOA BUTTER.—Officially quoted at 1s. 5½d.
r lb. maximum. Sales under licence may be
other prices.

COLOCYNTH.—About 2s. 6d. to 2s. 10d. per lb.
uld be the spot price, according to seller.

DIGITALIS LEAVES.—Recently-quoted spot
ces are unchanged. Portuguese, 140s. per
t.; English, 2s. 6d. per lb.

ERGOT.—Spot stocks are small and the price
available supplies would be not less than
3d. per lb. for sound material, with wormy
thly cheaper.

GINGER.—West African, spot, 85s. per cwt.

GUM ACACIA.—Firm, but price unchanged.
rdofan cleaned sorts, spot, 76s. per cwt.,
ndon; 74s., Liverpool, and 74s., Manchester;
ched, spot, 150s.; Talha, cleaned, 42s. 6d.

JENBANE.—Indian, spot, 250s. per cwt.;
ptian (*muticus*), 85s.

JALAP.—The following grades are available
spot: 10.1 per cent., 3s. 6d. per lb.; 13.2
cent., 4s.; 14.4 per cent., 4s. 3d.

JAMALA.—Material yielding 6 per cent. ash
y be obtained on spot at 2s. 9d. to 3s. per lb.

JARAYA GUM.—Indian No. 1 gum is quoted
spot at 210s. per cwt.

JALE FERN ROOT.—Indian again dearer on
s at 85s. per cwt.

JENTHOL.—Small spot lots of Brazilian are
able at 80s. to 82s. 6d. per lb., but con-
siders are buying from hand to mouth.
nces have been issued for further importa-
tion and a considerable business is reported done
a 30s. per lb., landed terms, November-
ember shipment from Brazil.

MERCURY.—Prices are controlled by the
Control of Mercury (No. 11) Order (C. & D.,
October 13, p. 388).

MYRRH.—Good-quality Aden sorts, spot,
£ per cwt.

NUTMEGS.—Current prices for any available
sties are as follows: West Indian, 80's,
3s. 0½d. per lb.; sound unassorted, 3s. 7d.;
winy and broken, 3s. 4½d., nominal.

PEPPER.—Whole, not picked over or cleaned,
ale to processors, is officially priced at
d. per lb. for white and 1s. per lb. for black.

PEPIMENTO.—Firm and fractionally dearer on
spot at 1s. 6d. per lb., sellers.

ROSSIA CHIPS.—Spot supplies seem to be
existed. January delivery will be at 40s.
per cwt.

SEDS.—Inquiry continues but little business
pas. Current rates are as follows: ANISEED.

ish, spot, 2s. 8d. per lb. CORIANDER.—

In none available, price nominal at

92d. per cwt.; Russian, fair amount here,
demand small, price 92s. 6d.; English,
lind stocks, price 90s. to 95s. per cwt.

Cut.—Maltese, 150s., paid; Indian, none

available. DILL.—London, 80s.; Liverpool,
80s. FENNEL.—Supplies exhausted, nominal.
FENUGREEK.—London, 68s. 6d.; Hull, 68s. 6d.

SENNA.—Alexandrian hand-picked pods are
in good demand; price nominal at 4s. per lb.
Good manufacturing Alexandrian pods, 2s. per
lb. Tinnevely leaves, No. 1, 10½d. per lb.;
No. 2, 8½d.; No. 3, 7d.

STROPHANTHUS SEED.—100 per cent. Kombé,
spot, 7s. 6d. per lb.

TRAGACANTH.—Medium grades are quoted as
follows: No. 1, white, £135 per cwt.; No. 2,
white, £115; No. 3, white, £100; No. 4, white,
£85; pale leaf, £60; amber leaf, £50; dark
amber, £35; brown leaf, £25; red-and-brown
leaf, £20; red leaf, from £17; hoggy, £12 to £15.

TURMERIC.—Sound Madras finger, spot, 120s.
per cwt., nominal; 65s., c.i.f., has been paid for
forward business.

WAXES.—BEES.—Dar-es-Salaam, spot, 225s.
per cwt. (not Government stocks). CARNAUBA.
—Fatty grey, spot, 615s. per cwt.; prime
yellow, spot, 700s.; chalky grey, spot, none
available; all grades forward, nominal. CAN-
DELILLA.—Spot, 300s., nominal; December-
January arrival, 275s. per cwt., nominal.
OURICURI.—Spot, 400s., nominal, according to
quality.

Essential and Expressed Oils

CASTOR.—Bulk supplies are officially quoted
as follows: "Firsts," £82 per ton; "seconds,"
£80, both naked ex works.

CLOVE.—English-distilled continues to be
quoted at 12s. 6d. to 13s. per lb., according to
quantity.

COCONUT.—Fixed prices are as follows:
Crude, £49 per ton; refined deodorised, £49;
refined hardened deodorised, £53.

GROUNDNUT.—Bulk supplies of refined de-
odorised are priced at £58 per ton, ex works.

NUTMEG.—Supplies are short. Current quota-
tions range from 55s. to 60s. per lb. for English-
distilled.

OLIVE (EDIBLE).—Price charged to wholesaler
by importer is 25s. 9d. per gall., ex store.
Prices charged by wholesalers to retailers are
agreed by Ministry of Food as follows: 33s. 6d.
per gall. in 1-gall. loan cans; 34s. 3d. in
½-gall. loan cans; 35s. in 1-quart loan cans;
36s. per gall. in 1-pint cans.

PEPPERMINT.—Offers of dementholised are
being received from Brazil at 10s. per lb., but
licences are being issued at present only for
re-export.

RAPESEED.—Officially quoted at £91 per ton,
naked ex works.

CLOSED ON SATURDAYS.—Advertisers and
subscribers are reminded that owing to present
conditions the Head Office of THE CHEMIST
AND DRUGGIST, 28 Essex Street, London, W.C.2,
is closed on Saturdays until further notice.
Urgent instructions relating to advertising and
subscriptions should be sent to the C. & D.,
17 Argyle Street, Bath, Somerset.

TRADE MARKS

(From "The Trade Marks Journal," October 31)

"CANNIBAL"; for pharmaceutical preparations and substances (human and veterinary); sanitary preparations and substances; infants' and invalids' foods; medical and surgical plasters; surgical dressings; bandage material; material for stopping teeth; dental wax; antiseptic and disinfectant preparations; weed killers and vermin destroyers (5). By Kay & Kay, Ltd., 30-31 Richardson Street, London, S.E.1. 634,948 (Associated).

"SANTUBEN," "ERWESAL" and "LEANOGEN"; for pharmaceutical preparations. "VIRILINETS"; for pharmaceutical tonic preparations, and "GOUTOSAN"; for pharmaceutical preparations for use in the treatment of gout. By Nu-Organic Remedies, Ltd., 192A Broadhurst Gardens, West End Lane, London, N.W.6. 635,229, 635,236, 635,240, 635,232 and 635,238.

"ESWAM"; for pharmaceutical preparations and substances (5). By E. S. Mitchell, 78 Crossgates Road, Leeds. 635,785.

"AGILUX"; for scientific, photographic, cinematographic and optical instruments and apparatus, etc. (9). By Aero-Nautical & General Instruments, Ltd., Purley Way, Croydon. 635,101.

A shield device for spices, pepper, ginger, etc. (30). By Vanessa Manufacturing Co., Ltd., The Lynch, Uxbridge, Middlesex. 634,978.

"ACTAN DALLIE"; for non-alcoholic beverages not included in other classes (32). By Dallington Wine Products, 318 Uxbridge Road, Acton Hill, London, W.3. 635,477 (Associated).

APPLICATION AMENDED AFTER ADVERTISEMENT

Specification No. 623,639, by T. McMullan & Co., Ltd., should be altered so as to read, "Pharmaceutical cotton wool for sale in Northern Ireland."

(From "The Trade Marks Journal," November 7)

"GAMMEXANE"; for industrial, agricultural, horticultural and forestry chemicals (excluding insecticides, fungicides and weed killers); food preservatives, etc. (1). Also for pharmaceutical substances (human and veterinary); sanitary substances, insecticides and vermin destroyers (5). By Imperial Chemical Industries, Ltd., Wexham Road, Slough, Bucks. 635,263-64 (both Associated).

"PORTEX-RAY"; for industrial plastic materials (1). By Portland Plastics, Ltd., 214 Great Portland Street, London, W.1. 635,631.

"SKOL"; for soaps, perfumery, essential oils, toilet and cosmetic preparations (3). By Skol Products, Ltd., 23 Blomfield Street, London, E.C.2. 632,505 (Associated).

Device of a winged horse; for veterinary preparations (5). By W. Gregory & Co., Ltd., 23 Fore Street, Wellington, Somerset. B634,784 (Associated).

"AUTUMN LEAVES"; for perfumed soap (3). By Ava, Ltd., 41 Brixton Water Lane, London, S.W.2. B632,986.

"ESCLAVE"; for perfumery (3). By Société D'Etudes et D'Expansion de la Parfumerie de Luxe, c/o Arthur W. Parfitt, Stafford House, Norfolk Street, London, W.C.2. 634,009.

"DONITA"; for perfumery, toilet and cosmetic preparations, soaps, dentifrices (3). By Don Juan, Inc., c/o Stevens, Langner Parry & Rollinson, 5-9 Quality Court, Chancery Lane, London, W.C.2. 634,765.

"VITAMASK"; for toilet and cosmetic preparations and essential oils (3). By Inter-Hamo S.A., c/o Trade Mark Owners Association Ltd., 14 Waterloo Place, Pall Mall, London S.W.1. B635,169.

"SKIYVY"; for soaps, etc. (3). By Vine, 222-24 Harrow Road, Paddington, London W.2. 635,867.

"EASVJEST"; for medicated sweets (5). By J. Fitton & Co., Ltd., Savoy Works, Cross Street, Whitefield, Manchester. B634,492.

"LUXPAX"; for bandages, surgical dressing menstruation clothing and appliances (2). By H. Franc & Lauder, Ltd., 4 Chepstow Street, Manchester. 634,880 (Associated).

Device of a man's head in turban; for pharmaceutical substances and preparations (1). By Indo-British Industries, Ltd., 30 Sussex Place, Hyde Park, London, W.2. 635,085.

"YOBINOL"; for pharmaceutical preparation in tablet form (5). By Coates & Cooper, Ltd., 94 Clerkenwell Road, London, E.C. 635,766.

"MYODIL"; for all goods (5). By Glaxo Laboratories, Ltd., Greenford Road, Greenford, Middx. 635,868.

"TESTOCRINE"; for pharmaceutical substances and preparations (5). By Silten, Ltd., Weedington Road, London, N.W.5. 635,919.

"HELSKA"; for pharmaceutical preparations and substances (5). By G. Thornlie, Fortess Grove, 28-34 Fortess Road, London, N.W.5. 636,067.

"DIROCHOL"; for pharmaceutical substances (human and veterinary); infants' and invalids' foods (5). By Roche Products Ltd., 40 Broadwater Road, Welwyn Garden City, Herts. 636,076.

"SKIPPA"; for hospital utensils and sterilisation containers (10). By R. S. Antrobus, Meadow, Southgate, London, N.14. 634,000.

"SOTODENT"; for dental instruments and apparatus; artificial teeth (10). By Southampton Plastics Co., Redlands, Red Cliffe, Bassett, Southampton. 635,781.

"DURITE"; for cot sheets made of plant substances (in the nature of rubber) but polymerised vinyl chloride (17). By Celloid, Ltd., Britannia Works, Abbey Lane, Leicester. 635,103.

"MANDELLE"; for hot-water bottles, spoons and nail brushes (21). By J. Mandeleber Co., Ltd., Albion Works, Cobden Street, Pendleton, Salford, 6. B635,203.

Constant demand

"ABECEDIN" Vitamins A-B-C-D

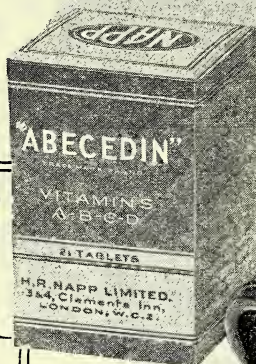
TABLETS

Bottles	21	-	3/6
"	105	-	16/6
"	500	-	75/-
"	1,000	-	148/-

EMULSION

Bottles	4 oz.	-	5/-
"	16 "	-	19/-

FREE from Purchase Tax



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BY NATIONAL
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Heavier demand than
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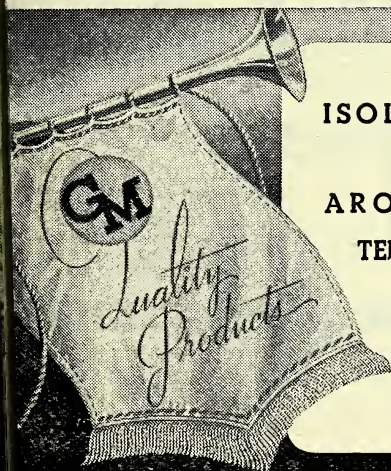
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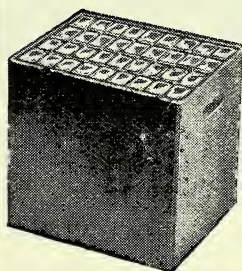
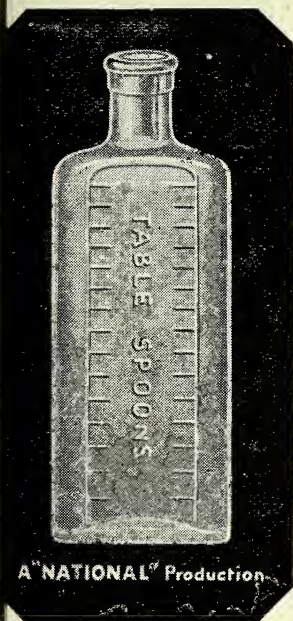
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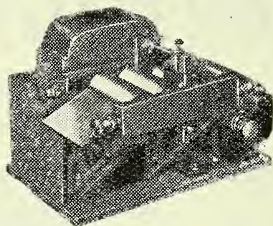
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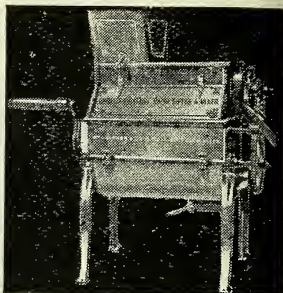
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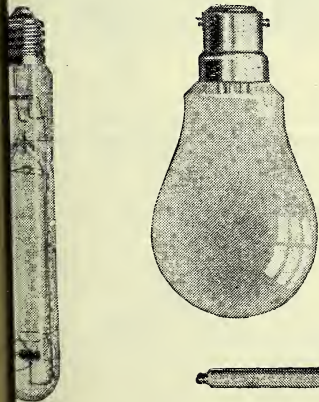
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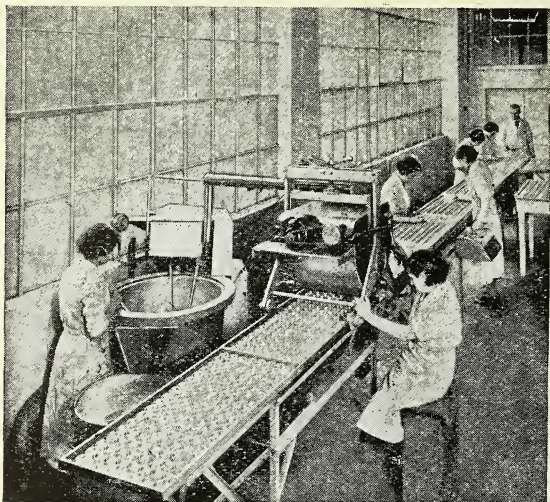
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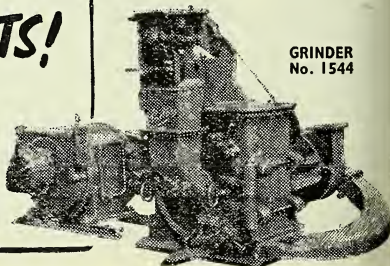
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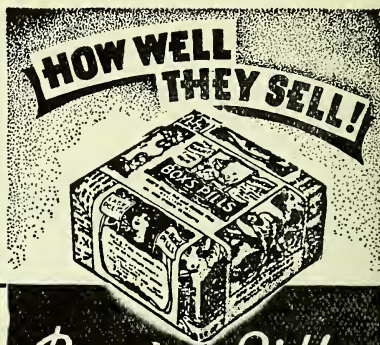
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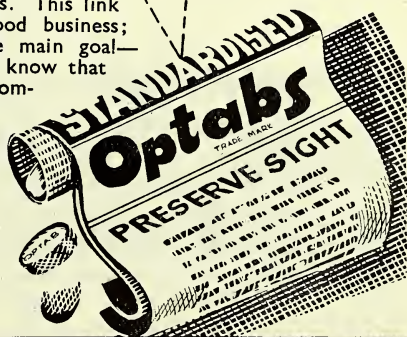
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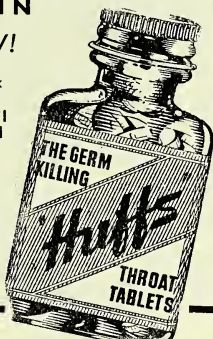
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This is GUARANTEED
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The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

NOVEMBER 24
1945

28, ESSEX STREET, LONDON, W.C.2

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PROCESS worker. Permanent position offered to applicant experienced in Galenical manufacturing; able to act as Charge Hand in pharmaceutical factory. State full experience, etc., to Chemists, 784, C. & D. London Office.

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WELL-KNOWN London firm Manufacturing Chemists require Pharmacist for Analytical control and to supervise production of Pharmaceutical Preparations. Write, stating age, experience and salary required, to 637/946, C. & D. London Office.

WET and Dry Counter hands, Qualified and Unqualified, wanted; applicants from Retail considered; excellent prospects for promotion. Associated Chemists (Lancs), Ltd., St. Peter Street, Blackburn.

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LADY Dispenser (Hall), excellent experience Chemists and Doctors; disengaged. Reply 635/877, C. & D. London Office.

WHOLESALE

DIRECTOR of progressive company, operating in the South of England, is open for change. London preferred. At present engaged on buying, control, and sales, with general all-round experience in the Wholesale Druggists' Sundriesmen business. All particulars in personal interview. 636/895, C. & D. London Office.

ESTABLISHED Agent, resident Bristol, with wide wholesale and retail connexion, requires good House. 636/917, C. & D. London Office.

EXPERIENCED Representative having long standing connexion with Chemists, etc., in Eastern Counties and Home Counties, seeks position with firm of repute; salary, commission and expenses. Write 637/930, C. & D. London Office.

FIRST-CLASS Representative covering South Coast area, and having finest wholesale and retail chemist connexion, is open to represent good house; excellent references and sales record. 637/920, C. & D. London Office.

GENTLEMAN requires post as Representative; excellent references and cash bond if necessary; London or Southern area preferred. 637/935, C. & D. London Office.

MEDICAL Representative, good connexion Herts, Bucks, Beds, E. Counties and N. London, seeks appointment with reputable house. 636/900, C. & D. London Office.

PHARMACIST (39), R.A.M.C., demobilised, resident S.W. Scotland, desires appointment; first-class connexion and Sales Record with Chemists and Stores in Scotland; thorough knowledge of Drugs, Dressings, Surgical Instruments and Proprieties. 636/916, C. & D. London Office.

REPRESENTATIVE in Lancs and Yorks requires two additional lines to carry with his present range selling to Chemists, etc., in this area. 637/925, C. & D. London Office.

REPRESENTATIVE with established connexion North-East Counties, calling on Wholesale and Retail Chemists, Co-op. Societies, Departmental Stores, Hairdressers, requires additional line; commission basis; pharmaceutical or otherwise; one hundred per cent. representation assured. 637/940, C. & D. London Office.

REPRESENTATIVE, strong Retail and Wholesale Chemist connexions, Kent, Sussex, Hants, Dorset, desires to represent reputable house; excellent references. 637/942, C. & D. London Office.

SALES and Propaganda of Ethical preparations to Hospitals, Clinics, Local Authorities and Dental profession. For past 10 years, and throughout war period, advertiser, aged 41, has covered S.E., S., S.W. and W. England. Now seeks position as Assistant Sales Manager or first-class proposition. 634/839, C. & D. London Office.

SALES Manager, practical experience sales organisation and general business management, desires change; would consider investment or partnership. Inquiries invited. 636/908, C. & D. London Office.

SUGAR Coater desires change; 11 years last firm; first-class work. Best offer. Airton, 80 High Street, Yeading, Leeds.

SUPERVISOR, desirous of change, capable Staff Controller, all-round knowledge of pharmacy, Buying, Drug Assembly Checker, Tablet Making; 20 years' experience. 637/939, C. & D. London Office.

WHOLESALE (COLONIAL)

CHEMIST. Well-known Australian Manufacturing Chemists require experienced Essence Chemist; applicants are requested to supply details of training and experience. 636/915, C. & D. London Office.

APPOINTMENTS

DEVON MENTAL AND EMERGENCY HOSPITAL EXMINSTER, NR. EXETER

ASSISTANT DISPENSER required, Unqualified, male or female. Hospital experience and the holding of Hall Diploma an advantage, but not essential. Hours: 9 a.m. to 5 p.m. daily, Saturdays 9 a.m. to 12.30 p.m. Sunday duty for one hour every third week. Apply, stating age, salary required, when free to commence duties, and enclosing copies of three recent testimonials, to the Medical Superintendent.

ESSEX COUNTY COUNCIL ESSEX COUNTY COUNCIL HOSPITAL, BLACK NOTLEY

APPOINTMENT OF ASSISTANT DISPENSER

Applications are invited for the appointment of ASSISTANT DISPENSER (non-resident), at the above Hospital, at a salary of £175 a year plus war bonus.

Applications, stating age, qualifications, and experience, accompanied by copies of not more than three recent testimonials and marked "Appointment of Assistant Dispenser" should be addressed to me at the County Hall, Chelmsford, as soon as possible.

Applicants to whom the Control of Engagement Order, 1945, applies, must apply through the Ministry of Labour and National Service.

JOHN E. LIGHTBURN.

Clerk of the County Council.

County Hall, Chelmsford.

November, 1945.

RUNWELL HOSPITAL

Near WICKFORD, ESSEX
(1010 Beds)
County Boroughs of
East Ham and Southend-on-Sea

Applications are invited for the post of PHARMACIST at the above Mental Hospital. Salary £330 per annum, plus lunch and tea daily, valued for superannuation purposes at £20 per annum, plus war bonus at present £59 16s. males and £48 2s. females. A further £30 per annum is paid if candidate appointed is a Qualified Optician. The appointment is subject to the provisions of the Asylums Officers' Superannuation Act, 1909, and to the Committee's Sick Pay Regulations. Applications, stating age, experience and qualifications, with copies of three recent testimonials, to the Physician Superintendent by Monday, the 10th December, 1945.

THE ROYAL INFIRMARY SUNDERLAND

Applications are invited for the post of Assistant Pharmacist to the above Hospital. Commencing salary will be at the rate of £300 per annum. Federated Superannuation Scheme in force. Apply, giving full particulars of qualifications and experience to the House Governor and Secretary.

WEST KENT GENERAL HOSPITAL MAIDSTONE

Applications are invited for the post of Dispenser—Apothecaries Hall qualification essential—to work under supervision of Pharmacist. Salary according to B.H.A. scale, plus lunch and tea; no Sunday duty. Candidates should state age and full particulars of experience with copies of testimonials to House Governor and Secretary.

ST. LUKE'S HOSPITAL, GUILDFORD

ASSISTANT PHARMACIST (Temporary). Must be M.P.S. or Ph.C. Salary grade, £250 x £10—£300 p.a., plus bonus 25s. p.w. male, 18s. 6d. p.w. female.

Apply to MEDICAL SUPERINTENDENT.

EXPORT TRADE

AGENCY or Distributorship in India of product saleable through Chemists and Druggists desired by United Medical Stores, Ltd., 16 Bonfield Lane, Calcutta. Telegraphic address, "Unimedisto." Bankers, Mercantile Bank of India, Ltd. Reference from May & Baker, Ltd., Dagenham, London. Burgoyne Burdidges, Co., Ltd., Eastham, London. Dakin Bros., Ltd., 44-50 Southwark Street, London S.E.1.

CEYLON—LEADING SALES ORGANISATION with over 50 Agency-Sales Depots and Medical Representatives and Travellers, and importing of own account, is open to take up agencies for all line in the Pharmaceutical trade, Cosmetics, Perfumer, Confectionery, etc. First-class Bank and Trade references. Universal Trading & Drug Co., Ltd. Agency Dept., G.P.O., Box 385, Colombo, Ceylon.

EXPORT TO SWEDEN. Financially strong Importers with extensive distribution possibilities desire contact with competitive exporters finished and unfinished chemical products, cosmetic articles, sanitary articles, bakelite products, and other suitable articles in this line. Sole Distribution right preferred. First-class references. Svenska Produkt Trading, Stockholm 1, Box 37, Sweden.

LONDON EXPORTERS with agencies in many overseas markets desire to get in touch with Manufacturers who wish to develop their export trade. G. & W. Fields, Ltd., 44 Theobalds Road W.C.1.

SWEDISH Manufacturer of Chemical and Toilet products desires contact suppliers of: Lanet wax or water-soluble emulsion wax, fatty, alcohol sulphate for shampoos, henna, sulpho-*p*-phenendiamine, sulpho-*p*-amidodiphenylamine, sulphoamidophenol, *p*-amidophenol-chlorhydrate, *p*-amidodiphenylamine, paratoluyldiamine. Parfums, Fragrance, Ostindiefaragatan 5, Malmö, Sverige.

TOILET Preparations for Export. Inquire invited from Overseas Buyers (Wholesale and Shippers). Write to Brotex Products, Ltd. 49A Grayling Road, London, N.16.

WELL-reputed Agency firm, desirous of extending its activities, is interested in representing competitive Manufacturers and Exporters of Chemicals (Fine and Heavy), Crude Drugs, Pigments, Paint trade, Essential Oils, Colours, Cosmetics, Toilets, Rubber Goods and Surgical Instruments, Glassware, Corks, etc. Bankers: National Bank India, Ltd., Lahore (India). Please correspond Harish C. Khosla, Post Box No. 163, Railway Road, Lahore.

PARTNERSHIPS

A QUALIFIED British Chemist and Optician would like to contact an Irish (six counties Eire) Chemist interested in a Working-Mana partnership. Some capital; all Optical equipment Green, c/o 38 Froddington Road, Portsmouth.

MARKETING Man, with thorough knowledge of the modern technique. Experience as Sales Manager. A salesperson. Abundant health. A quate capital to obtain initial distribution to develop sales. Recently demobilised, Voluntary R.A.F. Radar section. Wishes to contact owner a process, product, or proprietary line, possess sufficient capital to commence manufacture, with co-operation can develop a business. 636/8 C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. for every additional word.

ADVERTISER wishes to purchase firm of cosmetic manufacturers with quota between £1,000 and £2,000; all replies treated strictly confidentially. Write 635/857, C. & D. London Office.

EFFICIENT Sales Organisation now planning for future requirements, with travellers covering sales, Staffordshire, Cheshire and all Northern Counties, established connexions with Chemists and druggists, are anxious to contact Manufacturers and exporters of reliable products with view to representation. 637/922, C. & D. London Office.

EX-SERVICEMAN, Qualified Chemist, requires capital in the form of either loan or investment to enable him to take advantage of a unique opportunity of influencing business. The proposition might interest any chemist who is established and considering opening another business. Replies from all companies, drug stores, etc., not wanted. 4/815, C. & D. London Office.

LARGE Distributing Organisation, with strong force of travellers covering the country, offers spacious factory and storage premises in Liverpool; steam, power, tanks, blenders and so on available. Provided distribution of lines manufactured, or participation in manufacturing is offered to the advertiser. 635/858, C. & D. London Office.

MIDLANDS and NORTH WALES. Traveller in above area wishes to contact manufacturer of high-class goods for sale to retail and wholesale trade who wishes representation on part-time basis this area. 637/926, C. & D. London Office.

WELL-KNOWN Firm will undertake Manufacturing or Packing Creams or Liquids, also may be able to help with Packing situation; we will pick up and deliver the packed article. 635/884, C. & D. London Office.

AGENCIES

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ACTUAL manufacturers of Nail Files, Combs, similar Toilet Goods and Novelties are invited to submit details to London Agency. BCM/Bonure, London, W.C.1.

AGENCIES REQUIRED. A new firm of distributors is anxious to contact manufacturers willing to grant agencies for goods selling to Departmental stores, Chemists, Hairdressers, Co-ops, Grocers, etc., either in single areas or throughout Great Britain. 7/923, C. & D. London Office.

DUBLIN firm open to accept a few good Agencies from actual Manufacturers, connexion with wholesale and Retail Chemists; central premises packing and distributing. 636/889, C. & D. London Office.

IRE. Pharmaceutical Chemist, 27 years' good connexion in Dublin and provinces, would represent British Pharmaceutical House or Cosmetic manufacturers. Capital to invest; own car if necessary. 634/841, C. & D. London Office.

FREE LANCE AGENTS. Agencies offered in many areas for good selling lines to the retail trade; good terms; only persons who can underwrite a fidelity bond need apply. Full details first offer. 637/924, C. & D. London Office.

HENRY RUSSELL & CO., Agent-Distributor, Road 13, Villa 75, Maadi, Cairo (Egypt), wish to contact firm interested to have sole Agency in Egypt and Soudan, for first-class Pharmaceutical, Toilet and Druggist products, also raw material, machinery for laboratories and equipment.

LONDON Manufacturing Chemists invite inquiries for the sale of quality products, of interest to Chemists and Grocers, from agencies and agents throughout the country. Full details to 636/903, C. & D. London Office.

MANUFACTURERS of Pharmaceutical specialities, Cosmetics and other products, suitable for the Chemist, Grocery and Confectionery trade throughout England, Scotland and Wales, are invited to submit details if complete coverage is required; only products of repute will be entertained. 637/933, C. & D. London Office.

OLD-ESTABLISHED Agent covering Chemists, Druggists, Hairdressers, South Midlands and West of England, own staff of travellers, is open for sound selling line on commission basis; excellent returns guaranteed for sound proposition. Reply 937/921, C. & D. London Office.

WELL-INTRODUCED Agent at Stores and Chemists in London, Midlands, South Coast, looking for Agencies in Fancy Goods, Perfumery Goods or Medicated Goods. Write please to 636/912, C. & D. London Office.

WHOLESALE Agent, M.P.S.I., visiting England next month; capital, storage space and selling organisation all Eire; wishes contact manufacturers, view Irish Agency and personal representation. 634/836, C. & D. London Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

ABERDEEN. For Sale, Retail Chemist business' situated on main road, with Kodak and Selo agencies. Good reasons for disposal. Further particulars, from Edmunds & Ledingham, advocates, 1 Golden Square, Aberdeen.

DRUG Store for disposal, outskirts London; large turnover, premium required £2,000; freehold obtainable; stock, etc., optional. Suitable Multiples or Chemist used to busy trade or manufacturer desiring retail branch. 637/919, C. & D. London Office.

FOR Sale, Freehold Premises, Shop, Business and Dwelling-house, 5 rooms, in well-populated district; last 30 years as Herbalist and Drug Stores; very good opening for Qualified man; age cause of sale. Any offer? 42 Rhodeswell Road, Stepney, E.14.

STREATHAM Main Road position; owner to retire after 25 years. Double-fronted shop premises vacant possession of ample living accommodation; freehold £3,000 or near offer, S.A.V.; lease of premises and price for goodwill, fixtures, etc., might be considered. Apply sole agents, G. Mann & Co., 1463 London Road, Norbury, S.W.16. Pol. 22-82/3.

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HILLIER, PARKER, MAY & ROWDEN Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

PHARMACIST is desirous of acquiring a well-established Pharmacy, in any town in the Midlands or Northern Counties. A business with branches would not be objected to. Please send details in strict confidence to 636/905, C. & D. London Office.

SMALL Wholesale or Manufacturing Business (Surgical Sundries or Allied), required, where extra capital is required. Only controlling interest or full purchase considered. Advertiser is not acting for any third party. Full particulars in strict confidence to 636/896, C. & D. London Office.

WANTED

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ASPIRIN B.P. and Phenacetin B.P. wanted for tableting; must be B.P. Crystal if possible; spot cash paid. 635/869, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; big price paid. Shavex Co., Bavaria Road, Holloway, N. 19.

COMPLETE Colton Automatic Pill Making Plant. Beecham Group, Ltd., St. Helens, Lancs. Phone St. Helens 2241.

HAND Sifter, either Young or Gardner; also Filler for 10 oz. Bottles. Apply 634/850, C. & D. London Office.

MENTHOL, pure or synthetic, any quantity up to 4 lb. 637/937, C. & D. London Office.

PHENAZON, B.P. required in any quantity up to 1 cwt. 636/901, C. & D. London Office.

PEPSIN Powder wanted. Any quantity, 8 oz. upwards. Offers to 636/913, C. & D. London Office.

PERCOLATOR (about 2-gall. capacity), either new or second-hand if perfect, suitable for making Composition Essence. Booth & Co., New Street, Idle, Bradford.

RECOVERED PARAFFIN WAX wanted in any quantities. Please send sample and price to 633/805, C. & D. London Office.

URGENTLY required. Copies of *The Perfumery and Essential Oil Record* for 1941/42/43/44. 636/909, C. & D. London Office.

VERATRINE, any quantity. Reply, stating price. Toher, 7 Kenwood Gardens, Ilford.

WANTED. Aspirin, Phenacetin, Saccharin 550, Powder Extract of Malt in 1 cwt. drums; surplus stocks of Patents and Toilets bought. Adhesive, Zinc Oxide and Elastic Plasters in 2-in., 2½-in. and 3-in. widths required. 633/787, C. & D. London Office.

WANTED, second-hand Albro or similar powder filling machine; state capacity and price. 636/902, C. & D. London Office.

WANTED to purchase, any size parcels of Edible Gelatines, Powder, Sheet, and Leaf. Detailed offers invited. 636/891, C. & D. London Office.

WANTED. Virgin Otto of Rose (Bulgarian). Neroli Bigarade. Best Prices given. Send particulars of date purchased and source and sample if possible, to Picot, Ltd., 191 Hammersmith Road, London, W.6. Riv. 3336.

WANTED. 1-oz. Bottles any shape; small and large quantities; highest price paid. 635/855, C. & D. London Office.

WANTED. Labelling Machine adaptable for 1-oz. Bottles. Wright, 635/856, C. & D. London Office.

WANTED Urgently. Faulty Latex sheaths and scrap Latex sheeting, same thickness as sheaths. 637/931, C. & D. London Office.

WANTED. Your surplus stocks of Fresh Gaslight and Bromide Photographic Paper; top price paid. Barrow's Photo Service, Torquay.

8-OZ. Plain Medicines, 8-oz. ribbed Ovals, 2-2½-oz. Panels; divisoned cartons to hold any of these. Samples and prices to S. Tatlow & Co., Ltd., Eckington, Sheffield.

26-OZ. and 13-oz. Wine or Champagne Bottles required. 625/524, C. & D. London Office.

4 OZ. Bottles. Large supplies urgently wanted by actual users for export trade; good price offered if complete with bakelite caps. Also 6 oz. Bottles and collapsible corrugated outers to hold 12 of each size. 637/944, C. & D. London Office.

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AN Opportunity. The following machinery will shortly be for sale. Manesty Rotary Tablet Machines: two "B.B" type, four or five "B" type, and one "B" type, complete with Punches and Dies; all are in new condition. Also one Rhodes Can Sealing Machine, 220 volts, 1½ motor geared to belt drive, will seal cans up to 8 in. dia. × 14 in. depth. Also one Robert Filler, complete on rail to run over bench, suitable for polishes, etc. Also one Water Softener and Water Still. Also Farrow Cross-tube Boiler, height 6 ft. × 3 ft. dia., complete with all fittings, gauges, cocks, etc. 633/790, C. & D. London Office.

CHEMICAL Balance by Stone, Class B, stamped up to 2 oz.; Glass Pans, Aluminium, ditto, case mahogany and glass; set Metric Weights, 50 grams down, drawer below, weights in case. Niman, 70 Tottenham Court Road, W.1.

FOR Sale. 6 cwt. Wool Alcohols; approximately 180 Winchesters Chlorodyne B.P.C.; accept market price or near offer. Moore's (Sheffield), Ltd., 8-10 Granville Street, Sheffield, 2.

FOR Sale. Best quality Metal Lipstick Moulds; one pencil type, one chisel type; each to mould 40 lipsticks 11 mm.; perfect condition; £10 each. Apply 636/907, C. & D. London Office.

FOR Sale. 36 × 7/8 Kathleen Court Panachrome Face Powder; 72 × 4/2 Jean Hamilton Face Powder; 36 each size Spic.; 30 Veet Deodorant. 12 × Rhumuv Tabs., asst. sizes; 10 × 2/6, 17 × 1/5 Cal-Ma-Vite. Offers to Tidy, Chemist, Farnham Common, Bucks.

FOR Sale, subject to being unsold, 100 gross 2-oz Perfume Bottles, Pompador White Enamel screw caps. Belle Vue Chemical Products, Ltd. 199A Commercial Road, Newport, Mon.

FOR Sale, price £60, Hearson Microscope, 3-nose objective with 4 m. 16 mm. lense (Beck) and Watson 1/12 in. oil immersion lense; coarse and fine adjustment, condenser with adjuster and iris dia phragm, plano and concave mirror. Large polished case with lense holder; excellent condition. Box No. J.2623, W. H. Smith & Son, Ltd., Manchester, 3.

GRANITE Triple Roller, type Helix, manufacture by Brinjes & Goodson, measuring 24 in. × 12 in. Used for few weeks only. Bargain. 636/914, C. & D. London Office.

MORITZ Paste Mill, Type TB 60; Electric-heated and Thermo-controlled Hopper, 25 kilos; Vertical Motor, 440 volts, 3-phase, 50 cycles. Vrit Box F.824, c/o Jackson's, 16 Gracechurch Street E.C.3.

PEPPERMINT Oil, American, 9 lb. for £60 cash. riage paid. 637/948, C. & D. London Office.

PLASTIC White 18 mm. Caps available in large quantities; bulk inquiries only. 637/944 C. & D. London Office.

SPIKE Lavender Oil, pre-war quality; about 7 lb. for sale. Offers per pound to W. Stever & Co., 78 Upper Richmond Road, London, S.W.1.

SURPLUS Stock for disposal. Beeswax B.P. 28 lb.; Spermaceti, 28 lb.; Oils, Peppermint, Aniseed, Clove, Eucalyptus, lb. each; other surplus chemicals all B.P. Harger, 172 Bedford Street-Liverpool, 7. Royal 5696.

SURPLUS Stock. 18 cwt. B.P. Powdered Bora at 46s. 6d. cwt.; 12 cwt. Commercial Powder Borax at 36s. 6d.; 7 cwt. B.P. Boric Acid Powder at 75s.; in free 1 cwt. bags cash against pro invoice which will show carriage (extra); also 1 cwt Aspirin Gran at 5s. 6d. lb.; 28 lb. Phenacetin at 12s. 6d. lb. R. J. B. Shelley, Ltd., Caldmor Walsall.

500 GROSS 2-oz. new Tins; also 200 Gross 4-oz Tins, both squat slip-on lid available desirous of clearing stocks. Write 636/911, C. & D. London Office.

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An Explanation . . . and Apology

War-time shortages of materials have recently caused delays in our deliveries and have forced upon us the necessity of confining the supply of the large size exclusively to requirements for Physicians' private prescriptions, Hospital and N.H.I. dispensing purposes.

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